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modern MACHINE KNITTING

DEC '94 ISSN No. 0957-6673

Modern Machine Knitting
is published by
Modern Knitting Limited,
17 Grove Park, Waltham Road,
White Waltham, MAIDENHEAD,
Berkshire SL6 3LW
Telephone: 0628-829815
Fax: 0628-829816

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Distribution by
Seymour

Printed in England

Canadian Distribution
Modern Sales Canada Inc
PO Box 67, #4, 1865 McLean Ave
PORT COQUITLAM
British Columbia, V3C 3V5

USA Distribution
Modern Sales USA Inc
7724 88th Drive SE
SNOHOMISH
Washington 98290

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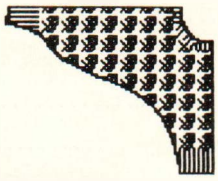
Knitline

Angela Gordon brings you the very latest news of yarns, books and useful items from around the country



ARTIKA DESIGNS

A quick and easy method of felting in the washing machine together with a collection of lovely stitch patterns is the subject of a new pattern book from **Artika Designs** entitled **Fabrics for Felting.** The fabrics include cut floats, reverse side fabrics and an interesting bubbling effect which uses slip stitch.

Linda of Artika Designs also explains the use of yarns that felt with those that don't, to produce some interesting effect.

Special Effects is the title of the second new book from Artika. This one contains a collection of stitch patterns for those wishing to experiment with a variety of different all-over effects, from fake leopard, lion, giraffe and zebra skin to paint effects like stippling sponging and rag rolling.

Some of these special effects are really unusual and we suggest you take a look at a copy soon.

Each book costs £4.95 including UK postage. Knitters with Japanese machines can purchase the books with traceable mylar graphs for £5.95 and Brother disk drive disks cost an additional £5.95 each when purchased with the book. Both books and disks are available from **Artika Designs, 41 Dundonald Road, London NW10 3HP, telephone 081-968 3315.**

MULTI-COLOURED DOUBLE BED WORK

Any reader having trouble with their double finding patterns for their bed colour changer will find **Shirley Cowling's** first book **'Dust off your Double Bed Colour Changer'** invaluable.

This book grew out of Shirley's experience teaching knitters to use their ribbers, in conjunction with a double bed colour changer and starts off with two pages of useful tips.

Each one of the 8 patterns is graded for difficulty - beginners start with the one star rating and then progress through two to three stars (pattern 8 even suggests that it might require an extra star because of the needle selection and being 3 colours per row). By the time you get to pattern 8 you will have mastered it!

Patterns include a unisex striped English rib sweater in 4 colours of Duomagic, a 2 colour double Jacquard summer top in Montana, a unisex tuck rib jumper in 4 colour Duo Magic, a unisex slip rib jumper in 4 colours of acrylic, a children's 2/30's jumper in 4 colour double Jacquard, a 4 colour tuck jumper in 4 ply acrylic and a man's 3 colour double Jacquard sweater in Montana and with a special ribber stitch.

This is a very useful collection of garments to get you using your ribber for more than just plain ribs and your double bed colour changer.

JACQUARD JUMPERS

Margaret Stoker Designs have two more Jacquard collections. **4 Ply Jacquard Collection - Children** includes 6 designs, dog sweater, teddy bear sweater, roll collar jacket, girls cardigan, duffle coat and zip up jacket, all knitted in 4 ply and using alternate ribber needles to achieve a fluid fabric.

3 Colour Jacquard - Book 1 Adults is a collection of adult garments using 3 colours in a row and 3 ply for the contrast yarns.

Add these two books to your library of Jacquard patterns and you will have something to suit every member of the family.

Each book costs £4.50 direct from **Margaret Stoker Designs 25 Queens Avenue, Seaton, Workington, Cumbria CA14 1DL.**

LITTLE DENIM COLLECTION

This is the latest pattern book from **Willow Tree Knitwear.** Patterns are in sizes 22 to 26 inch chest and include easy knit sweaters, Fair Isle hooded jacket, tuck stitch jacket with Jean style buttons, Fair Isle drop shoulder sweaters and easy knit bib and brace. The complete mix and match collection is knitted in Spectrum Tango.

Little Denim Collection is available from **Willow Tree Knitwear, P.O. Box 8, Pontypool, Gwent NP4 7YA** to our readers at a special post free price of £3.95 for a limited period only.

LEARN TO MACHINE KNIT

Let **Progressive Knitting Part 1, 2 and 3** by **MK Publications** help you to master your machine.

Part 1 will teach you to cast on, knit hems and welts, tension swatches, shaping, finish your garments neatly and maintain your machine.

Part 2 teaches you Fair Isle techniques, designing for punchcard and electronic machines, correcting pattern mistakes, neck bands, cardigan bands and braids.

Part 3 covers tuck stitch variations, fancy raglan finishes, bands and buttonholes, tuck stitch braids, swatches and tensions and tuck lace.

Each part has patterns using the techniques covered in the tutorial section to help you become totally familiar with each one and produce a useful garment at the same time.

The books are available through retailers nation-wide at a cost of £3.95

each. Find out your nearest stockist by contacting **MK Publications 55-57 Hamlet Court Road, Westcliffe on Sea, Essex SS0 7EY.**

NEW PROGRAMME FOR DESIGNAKNIT USERS

We recently tried out a programme from America called **KNIT2FIT** and Angela Gordon was so impressed with it that she is now (having first obtained approval of it's operations from Matthew Bragg of DesignaKnit) importing it into Britain.

It works in conjunction with your DesignaKnit programme, providing a library of women's garment shapes in a variety of good standard sizes, which even take account of the bra cup size worn!

The programme is produced by **Knitwares** which is a company formed by four very talented ladies. The whole concept of it was developed by Joan Bogden who is an experienced computer knitter and programmer, to name just a few of her many skills. Laura Lacey is the owner of a successful New York design studio, Alida Porter is a freelance knit designer, specialising in computer knits who is also an accomplished artist and produces all the illustrations and Carolyn Dadisman is an Adjunct Professor at the Fashion Institute of Technology in NYC.

The KNIT2FIT system was developed to make it easier for owners of DesignaKnit to create garments which go beyond the standard shapes provided with the programme. It also takes into account people knitting on different types of machines and provides full step-by-step instructions for all Japanese and Passap/Pfaff machines.

Most of us are not exact 'standard' sizes, so KNIT2FIT comes complete with a Custom Alterations Programme which will compare your measurements (after you have entered them) with the KNIT2FIT standard. Next just print out a table showing exactly where to adjust the garment shape in DesignaKnit to achieve your own perfect fit regardless of your shape! A few alterations and you are ready to knit your custom fit tailored Chanel style suit (including waistline darts and zippered fastening) shaped and fitted waistcoat, leggings, straight trousers, wide culottes, a straight skirt and a fashionable shirt style tunic.

The garments have all been knitted in America in Knit King yarns. Angela realised this might prove impractical here in the UK and, for our convenience, has converted and knitted the full range in a selection of the very popular Yeoman Yarns. Of course, you can knit them in the yarns of your choice after changing the tensions. KNIT2FIT programmes purchased here will come complete with the conversion tables and local support for the programme will be directly from Angela.

To obtain more details, send a stamped addressed envelope, or to order send a cheque for £26.50 to **Angela Gordon, 29 St Helens Road, Sandford, Wareham, Dorset BH20 7AX.**

INSTANT KNITS

Knitwares also produce a range of **'Instant Knits'** - computer designs for use with DesignaKnit, Creation 6, Bitknitter and Brother FB100 which are ready for downloading and knitting immediately you have finished a tension swatch. The present range includes Christmas, Scandinavian, Floral, Variety and the (just completed) Lace Christening Collection.

Instant knits has the stitch patterns and garment shapes in children's and adult's sizes for knitting from screen with DesignaKnit and also includes full written instructions for Japanese and Passap/Pfaff machines.

The originals were again knitted in USA yarns but again Angela has converted them to Yeoman yarns ready for you to start knitting now. The Christmas collection could be the answer to your last minute presents list!

The collections are complete with easy to follow instructions for your favourite knitting software.

Instant Knits cost £17.50 each from **Angela Gordon, 29 St Helens Road, Sandford, Wareham, Dorset BH20 7AX.**

ENGLISH DESIGNER JEWELLERY BY SALLY GRAFTON DESIGN

Looking for a very special present for someone important to you? Then you should take a look at the beautiful range of floral jewellery designs by **Sally Grafton.**

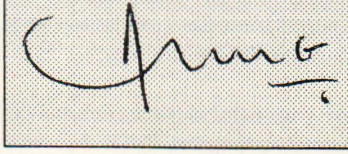
Dear Readers

We breathed the biggest sigh of relief when the November issue arrived from the printers. Our name had changed slightly on the cover and some of the pictures were not quite what we had in mind originally - but the magazine made it to the newsagents on time!

The cause of our panic was that all of the colour pages of the magazine had been completely lost in transit. In all of the years we've been publishing magazines, we've mislaid copy and pictures from time to time - but never actually lost anything. Things have always turned up - albeit in the most unexpected places - so each time the 'phone rang, we thought that it would bring news that our parcel had been found. It was not to be so, with time against us, we had to go back to the drawing board and start all over again!

Although we had copies of almost every design, our only original transparency from Japan was lost and we had no picture on page 20! Amazingly, our colour repro house managed to scan a colour photograph we'd received from Japan but we were not so lucky with the picture of the Janome New Home sewing machine on our competition page. A replacement transparency was also delayed in the post and didn't make it on to the page! We had problems, too, with the shaded blocks on the grid so we've printed it again on page 7 and extended the closing date until the end of December. We're crossing our fingers and holding our breath, hoping that everything will go according to plan this month!

Finally, with last month's trauma behind us and the year drawing to a close, all of the staff join me in sending you our best wishes for a very happy Christmas.



Sally Grafton is a keen gardener and jeweller. In the range of flowers in precious metals she combines her two interests, creating some really delightful pieces of jewellery. She trained at Sir John Cass College and then at the Central School of Art and Design. In her floral range she uses the age old technique of repousse and chasing to create the original models, trying to capture the delicacy and exquisite detail of actual flowers.

There are brooches, earrings, necklets, pendants, stickpins featuring Fuchsias, Primroses, Clematis, Narcissus and Roses. All pieces are Hallmarked and are available in your choice of Silver, 9ct and 18ct Gold with prices ranging from £15 for the silver Primrose pendant to £588 for the detachable Fuchsia earrings with Diamonds.

Anyone with a passion for flowers will love these pieces of jewellery. You can start with one piece and then add the others to create a matching set as the occasion arises.

For a catalogue showing each design in full colour, write to **Sally Grafton Design, 3 Victoria Road, Sevenoaks, Kent TN13 1YB or telephone 0732-460929.**

CHRISTMAS CRAFT FAIR

Visit an Aladdin's Cave of stunning hand made crafts of the highest quality at this years **Christmas Craft Fair** at the **Alexandra Palace**, on Saturday 3rd and Sunday 4th December.

Over 350 stands will be displaying thousands of individually handcrafted items. From exotic jewellery in precious metals to fine furniture; delicious hand made chocolates, sausages, wine and cordials to wacky hats; china and hand blown glass to wooden clogs; string puppets, wooden toys and games to calligraphy and Chinese painting; exotic designer fashions and silk accessories to metalwork . . . there's something for everyone, with items from just a few pounds.

Many of the exhibitors will also be demonstrating their skills and if you would like to try your hand at a craft, there are free workshops taking place throughout the two days. There are some particularly interesting ones for children, including face painting, ceramic painting and rag rug making. Let the children have fun making things in the workshops while you browse around at leisure.

Admission on the day is £5 for adults, £3.50 for senior citizens and £2.50 for children with discounts of up to £1 per ticket on advance bookings. **Telephone 081-366 3153** for advance booking.

CHRISTMAS GIFTS FROM LAKELAND PLASTICS

Lakeland Plastics have a catalogue full of interesting and unusual kitchenware. There is something to suit every type of cook whether just learning and needing a video by Delia Smith to show you the way or an experienced cook looking for the latest oriental tableware.

Send for a copy now to **Lakeland Plastics Limited, Alexandra Buildings, Windermere, Cumbria LA23 1BQ.**

DIANA LEWIN DESIGNS

Diana Lewin is a new name in machine knitting stitch pattern books and, if her first two books are an indication, will be giving us some very interesting designs to look forward to.

Her first book **Fun with Flowers** contains 18 motifs for 24 stitch punchcard and 60 stitch electronic machines. The flowers have been enhanced by simple embroidery stitches which are detailed with the knitting charts.

Cuties for Kids which, as inferred by the title, contains 20 motifs for cute animal designs. These also are enhanced by simple embroidery - a few easy stitches really do make all the difference to a design!

Both books are well produced (a team effort from the whole family we are told) with all designs shown in full colour on the heavy card covers and the design graphs are clearly printed on good quality paper.

The addition of these two design books will brighten up your knitting library. Each costs £4.95 plus 55p postage and packing in the UK (£2.30 overseas postage and packing for the two books) and they are available from **Diana Lewin Designs, Field House, Marlock Close, Fiskerton, Southwell, Notts. NG25 0UB.**

NO-SEW APPLIQUÉS

Look out for the latest arrival from **F. W. Bramwell, Easy No-Sew, Fabric Appliqués** from **Back Street Fabrics.**

There are 18 different designs and a beginners guide with 14 detailed projects. These will be in your local Bramwell distributor, so pop along and have a look now.

RURAL WALES
CYMRU WLEDIG
DEVELOPMENT BOARD FOR RURAL WALES
BWRDD DATBLYGU CYMRU WLEDIG

NEW KNITWEAR BUSINESS

Jo Jones Knitwear has just been launched with the assistance of the **Development Board for Rural Wales**.

Johanna Jones produces a range of exclusive knitwear using the wool from her mother's sheep in many of the garments. The wool is spun by a local mill and hand dyed in single and multi-colours. The individually designed, machine knitted and hand finished range includes jackets, cardigans and jumpers with prices from £40.00 to £100.00.

Take heart all knitters dreaming of one day running their own designer knitwear business. The secret of Johanna's success is to keep all her styles simple and classical yet at the same time be happy to design any item to a customer's specifications. She uses the colours of the natural landscape surrounding her home as inspiration for the yarn dyeing.

LINDER MYER'S CLOTHING NAMECHECK

Starting a new business manufacturing clothes is difficult enough, but you could find yourself in trouble if you choose a name already being used by another company. **Clothing Namecheck** is a service which identifies trademarks and brand names that are in use. Currently you can check new brand names by making searches of the Trade Marks Registry and Companies House. However, there are thousands of labels and brand names in regular use in the fashion industry that are not formally registered.

Claims can be made by these companies if they believe someone is trying to pass their goods off as being associated with their company by using the same name or trademark, even though they have not registered the name.

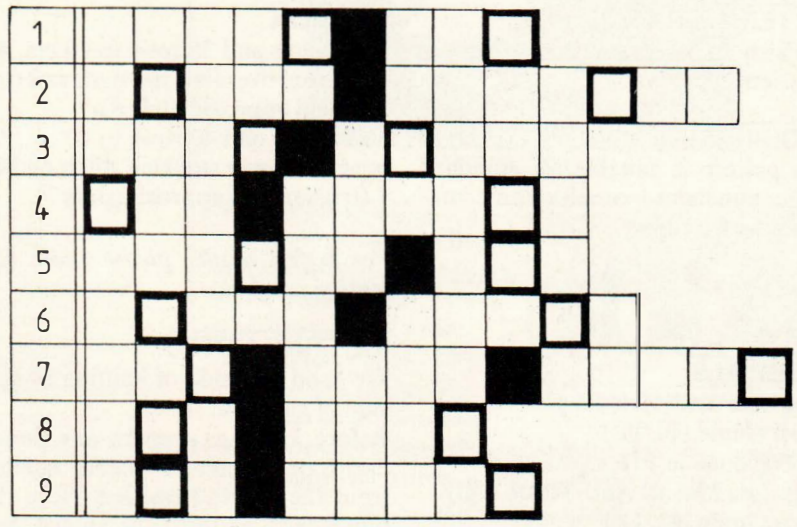
The fee for having a proposed brand name checked for similar names already in use is £50.00 per search.

For further details write to **Linder Myers Solicitors, Phoenix House, 45 Cross Street, Manchester M2 4JF.**

LAST MONTH'S COMPETITION

Please Note

November's competition to win a **Janome New Home 1818 Sewing Machine** included a grid for you to complete and we've discovered that, in some issues, the shaded squares are very light. We're sorry if you received one of these copies and we're pleased to print the grid again - this time with the boxes emphasised! In fairness to you all, we've extended the deadline for this competition until 31st December and here's the revised grid.



There's a range of reasons why the top designers use Forsells.

Tickle Free 2,3 & 4 ply. | 4 ply Knitting. | Double Knitting. | 80% Acrylic. 20% Wool Knits as 4 ply. | Wool & Alpaca Knits as 3 ply. | 80% Acrylic. 20% Wool Knits as 3 ply.

Fine 4 ply | Wool with cotton slub Knits as fine four ply | Machine washable 60% Wool. 40% Nylon | 90% Wool 10% Silk. | Fine 4 ply.

Forsell

Forsell & Son Ltd.,
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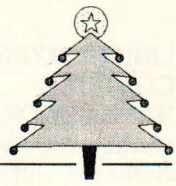
Pattern 1



UNDERNEATH THE ARCHES

Keep your man warm this winter in Barbara Tobias' 'archway' design, knitted in King Cole Anti-Tickle and Mosaics

PATTERN RATING
** Fairly easy for knitters with some experience.

MACHINES
This pattern is suitable for standard gauge punchcard or electronic machines with a ribber.

If you don't have a ribber, work ribs in mock rib.

MATERIALS
King Cole Anti-Tickle 4-ply.
(Yarn Guide No. 11.)
1 x 500g cone in Black (MC).
King Cole Mosaic Anti-Tickle 4-ply.
(Yarn Guide No. 11.)
1 x 250g cone in Van Gogh (C).

GARMENT WEIGHT
Finished garment in second size weighs 575g.

The fibre content of these yarns is 100% Wool. For further information about these yarns, please write to the following address:- King Cole Ltd., Merrie Mills, Old Souls Way, Bingley, West Yorkshire BD16 2AX.

PATTERN INFORMATION
For a list of the abbreviations we use, our Yarn Guide and mock rib instructions, please look under Pattern Information in Contents list on page 3.

MEASUREMENTS
To fit chest 92-97 [102-107, 112-117] cm, 36-38 [40-42, 44-46] in.
Actual size 109 [120, 129] cm, 43 [47½, 51] in.
Length to shoulder 66 [68, 70] cm, 26 [27, 27½] in.
Sleeve seam 50 [50, 52] cm, 20 [20, 20½] in.

Instructions are written for the first size, larger sizes follow in brackets. If only one figure is given, it applies to all sizes.

TENSION
30 stitches and 35 rows to 10 cm, 4 in measured over Fair Isle pattern 2 (tension dial approximately 8).
30 stitches and 40 rows to 10 cm, 4 in measured over stocking stitch on MT-1 (tension dial approximately 7).

For perfect results, please check your tension carefully.

KNITTING NOTES
We used knit side of knitting as right side of garment.
Before knitting, prepare any punchcards or electronic sheets needed, from the charts provided. Note that punchcard patterns, as shown, may have to be repeated until the card is a suitable length for knitting.
1st and 3rd Sizes - Use cards 1A and 2A.
2nd Size - Use cards 1B and 2B.
Knit two colour Fair Isle rows with first colour given in back feeder 1/A to knit background and second colour given in front feeder 2/B to knit contrast pattern.

BACK
Fair Isle Pattern: Insert card 1A or 1B and lock on first row. Take carriage across twice without knitting. Release card and cont in Fair Isle. Using MT, K 4 rows MC/C. Lock card on first row. Cont in st st and MC. Using MT-1, K 26 [30, 34] rows. Release card and cont in Fair Isle. Using MT, K 4 rows MC/C. Remove card. Insert card 2A or 2B and lock on first row. Cont in st st and MC. Using MT-1, K 2 rows. Release card and cont in Fair Isle. Using MT, K 126 rows MC/C. Remove card. Insert card 1A or 1B and lock on first row. Take carriage across twice without knitting. Release card and cont in Fair Isle. K 4 rows MC/C. Lock card on first row. Cont in st st and MC. Using MT-1, K 34 [38, 42] rows. Release card and cont in Fair Isle. * Using MT, K 4 rows MC/C. Using MT-1, K 2 rows MC only (st st). Rep from * once more.

With carriage at right and using MC, cast on 166 [182, 196] sts at centre in 1x1 rib. * K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. Using MT-6/MT-6, K 36 rows. Transfer sts for st st. Set RC at 000. Cont in Fair Isle patt *. K 116 [120, 124] rows. Place marker at each end **. K 96 [100, 104] rows. RC shows 212 [222, 228]. Push 56 [64, 71] Ns at left and right to HP. Using WY, K a few rows in st st over rem 54 Ns and release from machine. Push Ns at right from HP to UWP. Using WY, K a few rows and release from machine. Push Ns at left from HP to UWP. Using WY, K a few rows and release from machine.

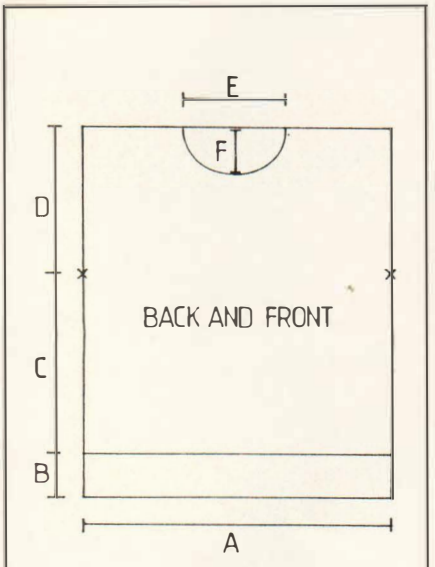
FRONT
Work as for back to **. K 66 [70, 70] rows. 30 [30, 34] rows less have been worked to shoulder than on back.

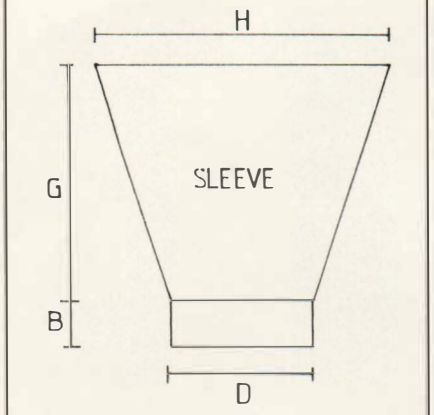
Shape Neck
Note patt row on card. Using nylon cord, K 94 [102, 109] sts at left by hand, taking Ns down to NWP. Cont on rem sts for first side. Dec 1 st at neck edge of every row until 62 [70, 77] sts rem, then on every foll alt row until 56 [64, 71] sts rem. K 8 [8, 12] rows. Using WY, K a few rows in st st and release from machine. With carriage at right, unravel nylon cord over 22 Ns at right, bringing Ns back to WP. Using WY, K a few rows and release from machine. With carriage at left, unravel nylon cord over rem Ns, bringing Ns back to WP. Lock card on number previously noted. Cont in patt. Finish to correspond with first side, reversing shapings.

SLEEVES
Fair Isle Pattern: Insert card 1A or 1B and lock on first row. Take carriage across twice without knitting. Release card and cont in Fair Isle. Using MT, K 4 rows MC/C. Lock card on first row. Cont in st st and MC. Using MT-1, K 30 [30, 26] rows. Release card and cont in Fair Isle. Using MT, K 4 rows MC/C. Remove card. Insert card 2A

10 ▶

Trousers, MARKS & SPENCER.





A = 55 [60.5, 65] cm
B = 8 cm
C = 32 [33, 34] cm
D = 26 [27, 28] cm
E = 18 cm
F = 8 [8, 9] cm
G = 42 [42, 44] cm
H = 52 [54, 56] cm

or 2B and lock on first row. Cont in st st and MC. Using MT-1, K 2 rows. Release card and cont in Fair Isle. Using MT, K 56 [56, 70] rows MC/C. Remove card. Insert card 1A or 1B and lock on first row. Take carriage across twice without knitting. Release card and cont in Fair Isle. K 4 rows MC/C. Remove card. cont in st st and MC. Using MT-1, K 58 [58, 54] rows.

With carriage at right and using MC, cast on 78 [82, 84] sts at centre in 1x1 rib. Work as for back from * to *. Shape sides by inc 1 st at each end of every row until there are 82 [86, 92] sts, then on every foll 3rd row until there are 120 [126, 130] sts, then on every foll 5th row until there are 156 [162, 168] sts. K 9 [6, 8] rows. RC shows 158 [158, 164]. Cast off.

TO JOIN RIGHT SHOULDER

Push 56 [64, 71] Ns to WP. With K side of right back shoulder facing, replace sts on to Ns. With P side of right front shoulder facing, replace sts on to same Ns. Unravel WY. Using MT and MC, K 1 row. Cast off.

NECKBAND

Push 148 [148, 156] Ns to WP. With K side facing, pick up 33 [33, 37] sts down left side of front neck, 22 sts across front neck, inc 2 sts evenly, 33 [33, 37] sts up right side of front neck and 54 sts across back neck, inc 4 sts evenly. Unravel WY. Set RC at 000. Using MT-1 and MC, K 1 row. Transfer sts for 1x1 rib. Using MT-6/MT-6, K 28 rows. Transfer sts for st st. Using MT-1, K 1 row. Using WY, K a few rows and release from machine.

TO JOIN LEFT SHOULDER

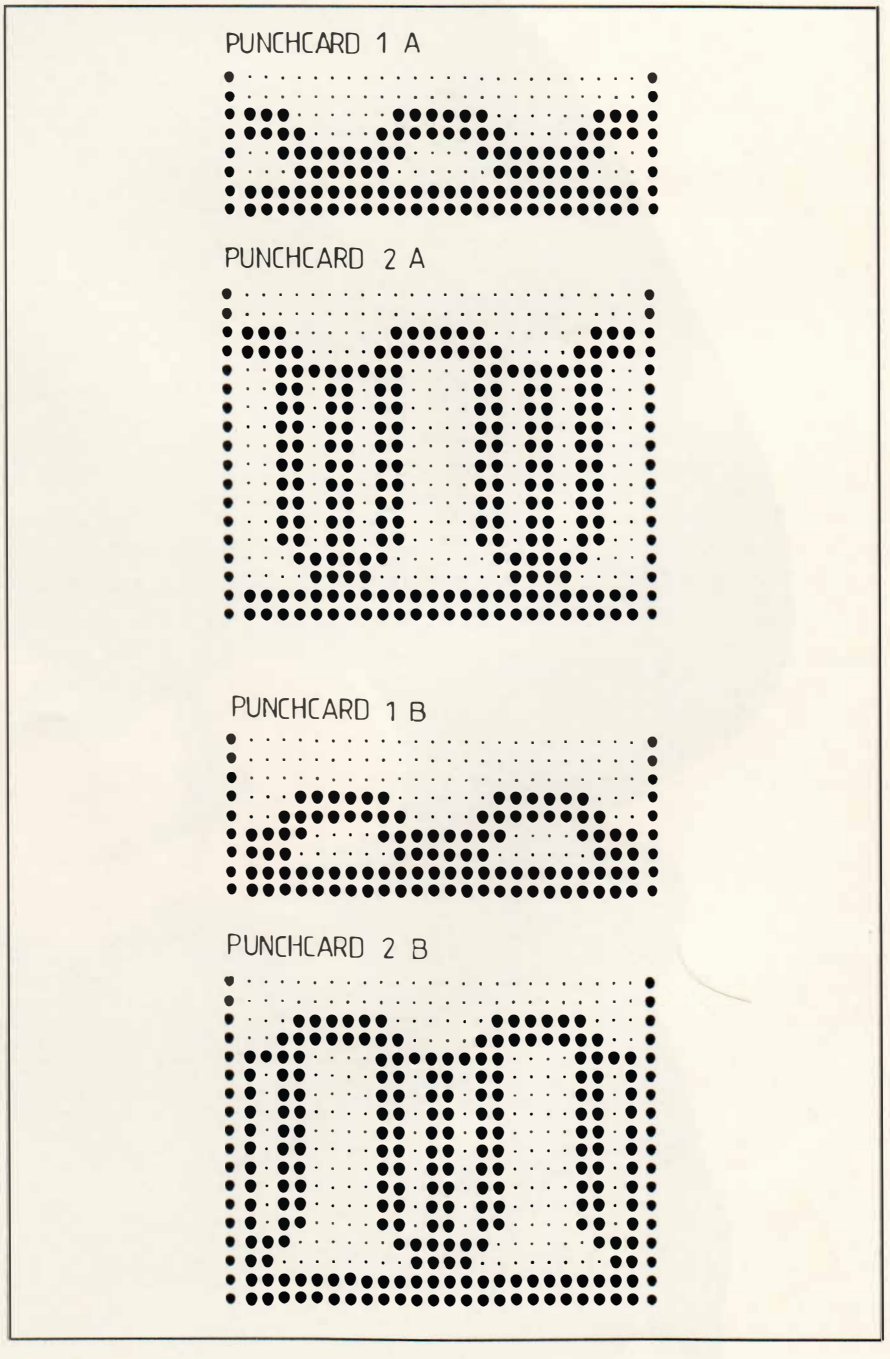
Work as for right shoulder but read left for right.

PRESSING

With wrong side facing, pin out all pieces to measurements given. Steam gently and allow to dry in shape.

MAKING UP

Set in sleeves between markers. Join side, sleeve and neckband seams. Fold neckband in half to right side and pin in position. Unravelling WY as required, backstitch through open loops of last row worked in MC.



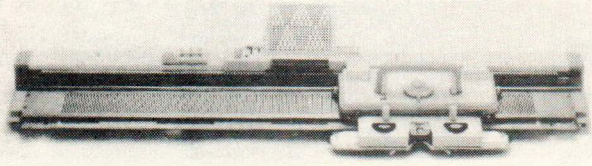
The Mencap Super Speed-Knit

with Elizabeth Kelly

Aunt Nellie in TV's Eastenders

The Mencap sponsored speed-knit this Christmas means you can have lots of fun, raise money to help people with a learning disability, and produce the perfect Christmas present for a loved one.

Mencap has produced an exclusive mystery toy pattern in association with designer Maggie Andrews and Littlewoods Chain Stores. Complete with a special money-off voucher for Littlewoods yarn and a Super Speed-Knit sponsor form, suitable for both machine and hand knitting, and simple enough for the beginner - impress your friends and raise lots of money, there are super prizes for the top fundraisers:



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- A £100 Littlewoods Chain Stores voucher
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- PLUS! a free prize draw for all participants to give everyone the chance to win a Canon Sureshot camera

There are three different levels for the speed-knit: beginner, intermediate, and advanced, posing a challenge even for the experienced knitter. Select your level, and ask family and friends to sponsor you to complete the toy in a certain number of hours (guidelines supplied).

To enter the speed-knit and receive our mystery toy pattern, just fill in the form below and send together with 50p to:

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Please send me ____ Mencap Mystery Toy pattern(s) ❑ hand knit version ❑ machine knit version *(Tick box)*

together with a Mencap Super Speed-knit sponsor form. This will entitle me to a 10p reduction on every £1 spent on Littlewoods 25g double knitting yarn

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Address _____

_____ Signature _____

Registered Charity No: 222377

Please photocopy as required

Pattern 2

CROSS TALK

Add a touch of sparkle - and classic elegance - to your winter wardrobe with this beautiful cross-over top and skirt in Celandine Dawn and Glitters. It's an exclusive design by Jennifer Tellwright and is perfect for the party season

PATTERN RATING
** Fairly easy for knitters with some experience.

MACHINES
This pattern is suitable for standard gauge punchcard or electronic machines with a ribber.

MATERIALS

CARDIGAN
Celandine Dawn. (Yarn Guide No. 11.)
1 [1, 2, 2] x 300g cones in Black (MC).
Celandine Glitters. (Yarn Guide No. 3.)
1 x 500g cone in Silver (C).
1 button.

SKIRT
Celandine Dawn. (Yarn Guide No. 11.)
1 x 300g cone in Black (MC).
Elastic to fit waist.

GARMENT WEIGHT
Finished Cardigan in first size weighs 250g; Skirt in first size weighs 165g.

The fibre content of Dawn is 70% Super Kid Mohair, 30% Nylon; Glitters is Metallized Polyester yarn supported with Nylon. For further information about these yarns, please write to the following address:- Celandine Limited, 44 Kirkgate, Otley, West Yorkshire LS21 3HJ.

PATTERN INFORMATION
For a list of the abbreviations we use, our Yarn Guide and mock rib instructions, please look under Pattern Information in Contents list on page 3.

MEASUREMENTS

CARDIGAN
To fit bust 87-92 [97-102, 107-112, 117-122] cm, 34-36 [38-40, 42-44, 46-48] in.
Actual size 113 [123, 133, 143] cm, 44½ [48½, 52½, 56½] in.
Length to shoulder 54.5 cm, 21½ in.
Sleeve seam 46.5 cm, 18 in.

SKIRT
To fit hips 92-97 [102-107, 112-117, 122-127] cm, 36-38 [40-42, 44-46, 48-50] in.
Actual size 104 [114, 125, 135] cm, 41 [45, 49, 53] in.
Length 53 cm, 21 in.

Instructions are written for the first size, larger sizes follow in brackets. If only one figure is given, it applies to all sizes.

TENSION
26 stitches and 80 rows to 10 cm, 4 in measured over tuck stitch (tension dial approximately 3).
23½ stitches on each bed and 45 rows to 10 cm, 4 in measured over double rib/full needle rib on MT-1 (tension dial approximately 2/2).
20½ stitches on each bed and 60 rows to 10 cm, 4 in measured over tuck rib stitch on MT-1 (tension dial approximately 2/2).

For perfect results, please check your tension carefully.

KNITTING NOTES
We used knit side of knitting as right side of garment.
Decreasings on Front Bands are worked on one bed only each time, not on both beds as is more usual.
Before knitting, prepare any punchcards or electronic sheets needed from the charts provided. Note that punchcard patterns, as shown, may have to be repeated along the card until the card is a suitable length for knitting.

Tuck Stitch Stripe Pattern
K 2 rows using MC and C tog, K 2 rows using MC only. These 4 rows form pattern.

CARDIGAN

BACK
With carriage at right, push 149 [163, 175, 189] Ns at centre to WP with extra N at right. * Push corresponding Ns on ribber to WP for double rib/full needle rib. Using MC and C tog, cast on and K 2 tubular rows. Carriage is at left. Set carriage for double rib/full needle rib knitting. Set RC at 000. Using MT-1/MT-1 and MC, K 16 rows. Transfer sts for st st. Insert card and lock on first row. Take carriage across twice without knitting. Set RC at 000. Using MT, K 1 row. Release card and cont in Tuck Stitch Stripe Pattern *. K 208 rows. RC shows 209.

Shape Armholes
Cast off 10 sts at beg of next 2 rows. 129 [143, 155, 169] sts. K 198 rows. RC shows 409. Using a length of MC, cast off centre 45 sts. Push 42 [49, 55, 62] Ns at left to HP. Using WY, K a few rows in st st over rem 42 [49, 55, 62] Ns and release from machine. Push Ns at left from HP to UWP. Using WY, K a few rows and release from machine.

RIGHT FRONT
With carriage at right, push 23 Ns at left and 52 [59, 65, 72] Ns at right of centre 0 to WP. 75 [82, 88, 95] Ns. Work as for back from * to *. ** K 160 rows. K 1 row extra for Left Front.

Shape Front Edge
Dec 1 st at left edge on next and every foll 10th row until 70 [77, 83, 90] sts rem. K 7 rows.

Shape Armhole
Cast off 10 sts at beg of next row. Cont to dec 1 st at front edge on every 10th row from previous dec until 42 [49, 55, 62] sts rem. K 27 rows. Using WY, K a few rows in st st and release from machine **.

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Earrings, ACCESSORIZE. Handbag, FREEMANS.

LEFT FRONT

With carriage at right, push 51 [58, 64, 71] Ns at left and 24 Ns at right of centre 0 to WP. 75 [82, 88, 95] Ns. Work as for back from * to *. Work as for right front from ** to **, reversing shapings by noting alteration in number of rows worked and reading right for left.

SLEEVES

With carriage at right, push 65 Ns at centre to WP with extra N at right. Work as for back from * to *. Shape sides by inc 1 st at each end of every 10th row until there are 131 sts. K 14 rows. RC shows 345. Place marker at each end. K 32 rows. Cast off.

BUTTONHOLE BAND

With carriage at right, push 31 Ns to WP. Push 30 corresponding Ns on ribber to WP for double rib/full needle rib. Using MC, cast on K 3 tubular rows. Carriage is at right. Set carriage for double rib/full needle rib knitting. Set RC at 000. Using MT-1/MT-1, K 67 rows. Dec 1 st at left edge (right edge on Button Band) of next and every foll 5th row until 12 sts rem on back bed and 11 sts on ribber. RC shows 253. K 49 rows. Make an eyelet buttonhole over centre 2 Ns on back bed and centre N on front bed. K 8 rows. Cast off.

BUTTON BAND

Work as for buttonhole band, reversing shaping and omitting buttonhole.

TO JOIN RIGHT SHOULDER

Push 42 [49, 55, 62] Ns to WP. With K side of right back shoulder facing, replace sts on to Ns. With P side of right front shoulder facing, replace sts on to same Ns. Unravel WY. Using MT and MC, K 1 row. Cast off.

TO JOIN LEFT SHOULDER

Work as for right shoulder reading left for right.

MAKING UP

Set in sleeves, sewing rows above markers to cast off sts at armhole. Join side and sleeve seams. Join centre back collar seam. Sew front bands into position with seam at centre back. Sew on button.

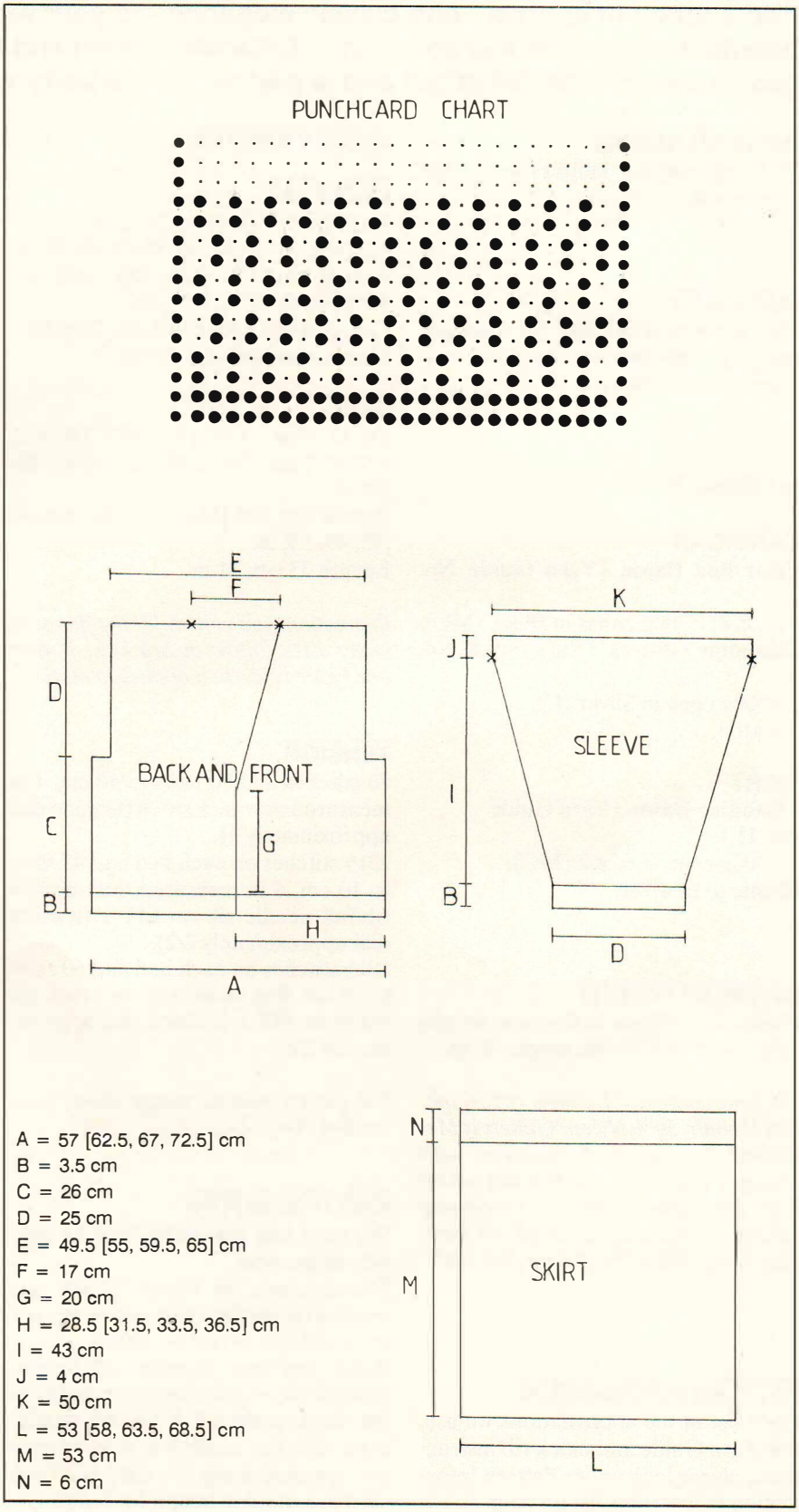
SKIRT

BACK AND FRONT ALIKE

With carriage at right, push 109 [119, 131, 141] Ns to WP with extra N at right. Push 108 [118, 130, 140] corresponding Ns on ribber to WP for double rib/full needle rib. Using MC, cast on. K 3 tubular rows. Carriage is at right. Set carriage for double rib/full needle rib knitting. Insert card and lock on first row. Using MT-1/MT-1, K 2 rows. Set RC at 000. Release card and cont in tuck rib. K 318 rows. Remove card. Cont in double rib/full needle rib knitting. K 36 rows. Transfer sts for st st. Using MT + 1, K 1 row. Cast off.

MAKING UP

Join side seams. Fold waistband in half to inside and catch down, leaving a small opening. Insert elastic and join ends securely. Close opening.



A = 57 [62.5, 67, 72.5] cm
B = 3.5 cm
C = 26 cm
D = 25 cm
E = 49.5 [55, 59.5, 65] cm
F = 17 cm
G = 20 cm
H = 28.5 [31.5, 33.5, 36.5] cm
I = 43 cm
J = 4 cm
K = 50 cm
L = 53 [58, 63.5, 68.5] cm
M = 53 cm
N = 6 cm

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	Wool		(15p an oz) £2.50
	Lambswool		(15p an oz) £2.50
	Bouclé		(12p to 25p an oz) £2.10 to £4.25 (Rep)
3 Ply	HB Acr.		(12p to 21p an oz) £2.10 to £3.55 (Rep)
4 Ply	Shetland & Wool		(15p to 28p an oz) £2.50 to £4.75 (Rep)
	Chenille		(36p an oz) £6.25
	Mohair/Acr.		(24p an oz) £4.15
	75% Acr/25% Wool	400 Grams	(23p an oz) £3.17
D.K.	HB Acr.		(18p an oz) £3.08
Aran	Wool on Hank	450 Grams	(28p an oz) £4.32 (Rep)
	Wool/Nylon Hank	450 Grams	(28p an oz) £4.32 (Rep)
	Chunky Mohair 78% Hank	360 Grams	(49p an oz) £6.10

PLUS DELIVERY (see below)

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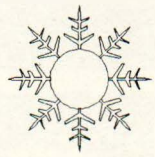
Helpline



Edited by Kamalini Trentham

Let us help you with your machine knitting queries. Our team of experts are here to advise on all aspects of machine knitting

Did you know that:

PILLING

The main cause of pilling is static electricity that is produced on the body of the wearer due to several reasons. A yarn may pill very badly on one person and very little, or not at all on another. Are we to blame? Not entirely - though we contribute directly and indirectly. If you set a spark off every time you touch a door knob, open the car door or give your other half a shock when kissing goodbye and everything seems to cling (particularly yarn while knitting), then the chances are that knitted or woven fabrics will pill on you.

Lessening static build up will reduce pilling. Use fabric softeners whenever possible. Avoid synthetic fibres which hold static charge and use natural fibres like cotton and silk or natural blends.

Static electricity can play havoc with knitting machines. It can cause yarn to wind around itself causing carriage jams and dropped stitches. It helps to have rubber feet on the table particularly if the table is standing on a synthetic carpet. In extreme cases of static build up it may be necessary to earth the knitting machine by running a wire from the yarn mast to a radiator. A break for a cup of tea will allow the machine to discharge the build up and let you enjoy trouble free knitting at least until it builds up again.

FELTING

Felting is caused by heat, water, agitation and the chemicals in the detergent used. Although most commonly experienced in wool, felting can occur in other fibres as well. Most of us have, at one time or another, experienced it with woollen fabrics that have been washed and/or dried at wrong temperatures. Rubbing while handwashing with detergents can also cause some felting even at low water temperatures. Temperature shock produced by a cold water rinse after a warm water wash is also a major contributory factor.

Felted fabric, where felting is deliberately achieved by the use of above mentioned conditions, is known to have been around for perhaps thousands of years and has a variety of uses. It has been, and perhaps still is, used for socks, slippers and hats as the felted fabric is very effective against weather, particularly wind and rain. In recent years many knitters, particularly machine knitters, have successfully felted knitted fabric and used it to produce outer garments like jackets and waistcoats.

SPACE DYEING

A hank of yarn is dyed in various colours by dipping lengths of the hank in different dye baths. The colours are allowed to run into each other creating subtle effects. In commercially space dyed yarn the sequence of colours and the lengths of yarn of different colours are fixed to produce repeatable cones. This creates a practical problem when knitting with such yarns particularly during shaping. The pattern of colour distribution can vary from solid patches to random stripes in a piece. Theoretically it is possible to knit two pieces with identical colour distributon, but in practice it is hard to achieve unless the piece is a rectangle and the repeats of the colour sequence are identical. One way to overcome the distribution problem over one piece as well as between different pieces is to use two cones of yarn throughout and knit the fabric as a two or four row stripe. Another alternative is to knit a continuous piece of fabric and shape by cutting.

OLD MACHINES

Older machines without an automatic yarn feed are ideal for knitting intarsia. The carriages on these machines knitted stocking stitch in exactly the same way as a modern intarsia carriage, by laying the yarn in the hooks of the needles with all latches open brought to upper working position by the carriage. Many of these machines are still under beds, or in attics, or can often be picked up for a song at a jumble sale. Intarsia knitting is a slow process and often knitting a piece can take a long time particularly if the pattern is complicated. Dedicating an old machine to knitting intarsia allows you to use the current model for automatic patterning.

CASTING ON

It might seem rather elementary to discuss casting on but, let's face it, if you can't get your stitches cast on you can't knit and sometimes there are problems.

Casting On With Waste Yarn

This is the most common method of cast on but it can have its snags. First of all it is worth considering the sort of yarn you are using for your waste yarn. Most of us use ends of cones from a previous garment and usually that will be suitable. However, do bear in mind the fact that you may well later be picking up stitches knitted on to the first row of that waste yarn. So if it is either 1) very thin, 2) very hairy or nobbly, 3) a dark colour or 4) easily split, then you have got problems. A smooth, light-coloured four-ply will be easiest. Obviously the colour needs to be a good contrast to the main yarn for picking up stitches, but if you use navy or black and white you may well have a line of hairs or fluff showing when you remove the waste yarn and you will have a hard job getting rid of them!

Nylon Cord

It's a good idea to knit the last row, after the waste and before the main yarn, using your nylon cord, since this will make the picking up easy and the cord is also easily removed from the knitting. When you do remove the nylon cord, always pull it along the

length of the machine in a sideways movement rather than downwards. If you pull it downwards you can easily pull the work off the needles.

Lots To Cast On

If you have a lot of stitches to cast on with waste yarn and you are using the nylon cord method, that is, knitting one row using waste yarn and then holding the nylon cord over the stitches behind the sinkers, you sometimes experience problems with the next row of stitches 'bubbling up' over the nylon cord which means that you have to start again! To prevent this from happening all you need to do is this. Once you have put the nylon cord over the needles, hold it down firmly with your free hand and then with your single transfer tool just bring one or two needles, say every ten or 15 needles apart, out to where they are just over the nylon cord. Don't bring them right out to the holding position. This manoeuvre serves to anchor the cord and the next row will be trouble free. Always try to have a needle close to each end pulled forward, then all will be well.

Difficult Yarns

I am sure that many a planned garment has been abandoned because a difficult stitch or tricky yarn was causing problems. The best way round both of these problems is to cast on with waste yarn first and get a few rows of knitting on the machine. Hang some weight and then join in the main yarn and all will be well. Lace knitting provides a good example of a tricky start, so to start with waste yarn and knit until you can easily attach some weight will solve the problem most times. Ribs and hems can alway be added afterwards if you need to, it is no trouble and so much easier than the usual method of going from rib into main knitting or hem into main knitting. It also has the added advantage that you can assess the knitting and then decide what type of edging is going to look best. You can also adjust the length if you have not got it quite right by knitting a shorter or longer hem or rib then planned. Every cloud has a silver lining!

Casting On Extra Stitches

When a pattern tells you to cast on extra stitches at the beginning of the knitting you will usually 'e' wrap them. The first row is fine because the needles are all out in holding position and so you have done half the work for the carriage and it will knit across without any diffculty. However, the second row can cause trouble and does not alway knit properly. To stop any problems, bring the needles out to holding position again on about the next three or four rows, until there is sufficient knitting for the brushes to get a purchase and then all will be well. An alternative is to hold the nylon cord over the extra stitches for a row or two and this works just as well. One other way is to use a piece of previously prepared waste knitting. Say for example that you had to cast on 60 extra stitches, then you could have a piece of knitting 60 stitches wide that has been run off on waste thread and you can re-hang this at the appropriate place so that, once again, the extra stitches will knit smoothly. This method is useful if you know that you will need to weight the yarn and when you are going straight into pattern knitting after the row where you cast on the extra stitches.

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Trims, edgings and braids

SUBTLE EFFECTS

We have by no means exhausted the variations that a latch tool is capable of introducing and we will return to it later in the series. At this point I would like to introduce some interesting ways of using e-wrap cast on to produce trims, edgings and braids

This group of edgings is based on the basic e-wrap method of casting on. If you are not sure how to e-wrap please look up your knitting machine manual as this is one finished edge cast on that is shown in all manuals (except Passap and Pfaff).

All of the edgings can be knitted in one colour for subtle effects, but they are best illustrated in two colours and therefore all the samples are knitted in two colours.

SAMPLE 1

Multiple e-wraps of this edging produce a braided effect. This trim can be made as wide as required.

Step 1
Using colour 1, e-wrap every needle from left to right.

Step 2
Using colour 2, e-wrap every needle from left to right.

Step 3
Same as **Step 1.**

Step 4
Same as **Step 2.**

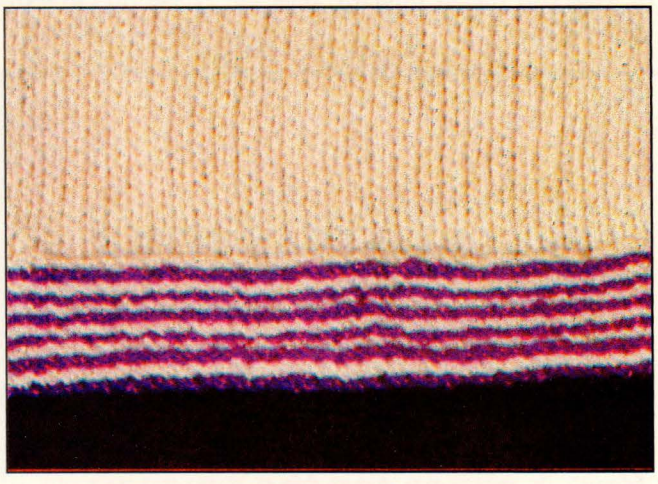
Step 5
Knit two rows with colour 1.

Hint:
Leave long tails at **Steps 1 and 2.** Instead of using fresh ends at **Steps 3 and 4** use the tails from **Steps 1 and 2.** There will be less number of ends to tuck in when sewing up!

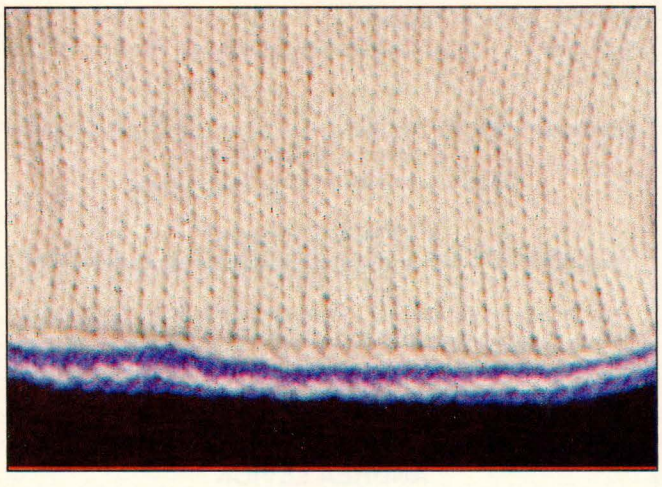
If a wider trim is required, remove work on garter bar or waste yarn after **Step 5.** Repeat **Steps 1 through 4,** replace work before knitting **Step 5.** Repeat this as required.

SAMPLE 2

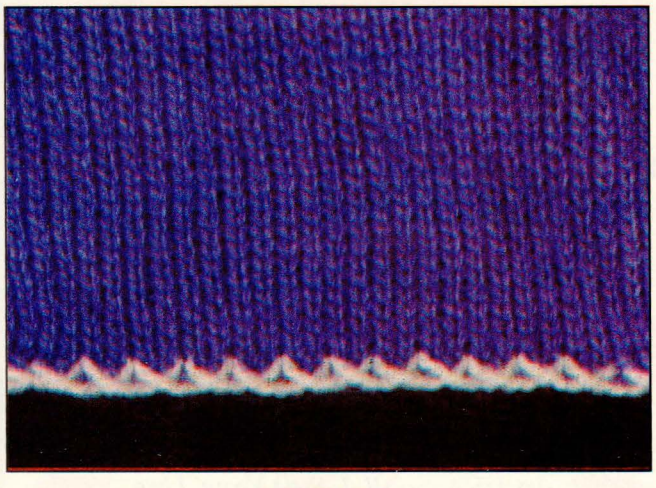
Sample 2 shows three repeats. Some fascinating effects can be produced by using a different colour at each step.



SAMPLE 2



SAMPLE 1



SAMPLE 3

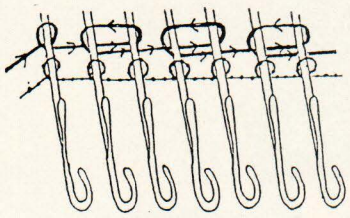


Figure 1

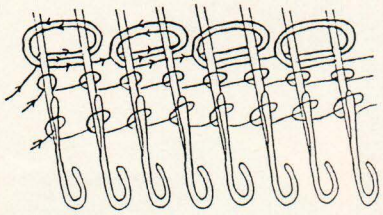


Figure 2

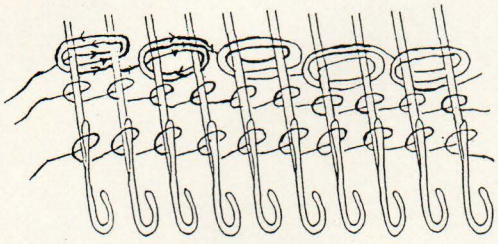
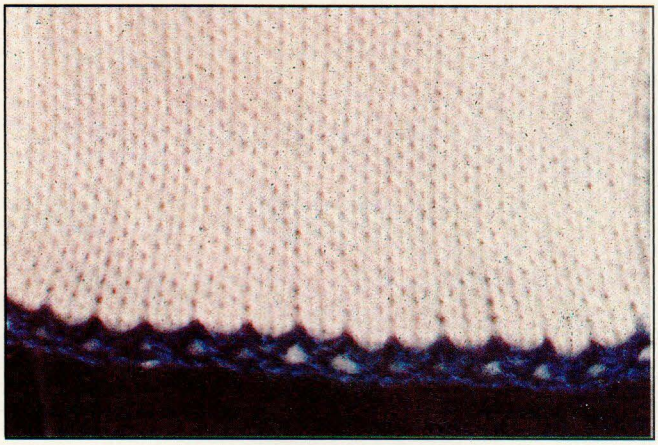
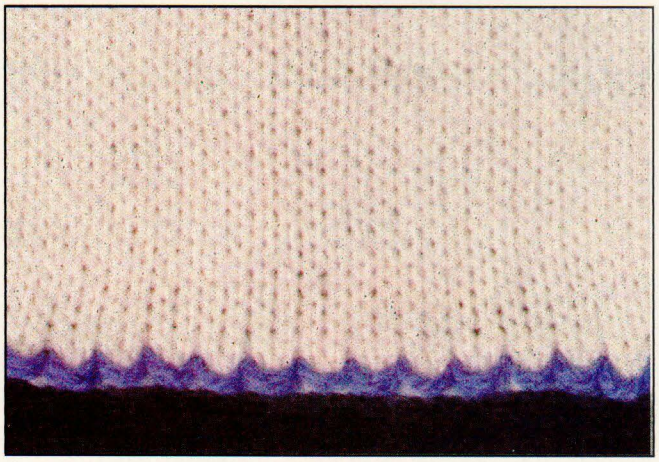


Figure 3



SAMPLE 4



SAMPLE 5

SAMPLE 3

Sample 3 shows the effect of wrapping two needles together as shown in **Figure 1.** Note that after e-wrapping over two needles with a contrast colour, every needle is e-wrapped in the main colour before knitting.

SAMPLE 4

Sample 4 is a variation of **Sample 3.** Wrap needles as shown in **Figure 2.** Note that needles are wrapped twice with contrast colour and two rows of e-wraps in the main colour precede the main knitting.

SAMPLE 5

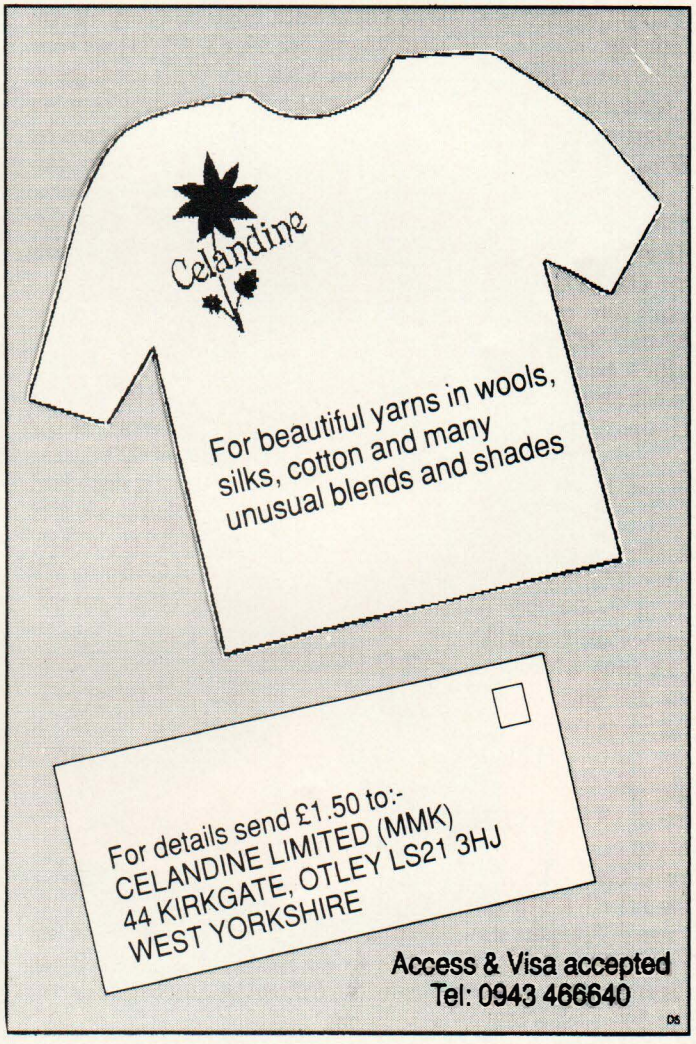
Sample 5 is a variation of **Sample 4.** Here the direction of wrap is changed alternately as shown in **Figure 3.**

Arrows in **Figures 1, 2 and 3** show the wrapping direction.

Samples 3, 4 and 5 require particular care when steaming. Push trim away from the fabric and steam it flat.

Next month we look at some other variations of e-wrap.

Kamalini Trentham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Pattern 3

WINTER WARMER

Mohair is the first choice for warmth without weight and Fran Francis has used this lovely shade of Bramwell Chunky Mohair for her pretty, fashion sweater. There's a wide colour range in this beautiful yarn so you're sure to find something to suit!

PATTERN RATING
* Easy to knit.

MACHINES
This pattern is suitable for 9 mm chunky machines with a ribber.

If you don't have a ribber, work ribs in mock rib.

MATERIALS
Bramwell Chunky Mohair. (Yarn Guide No.18.)
1 [1, 1, 1, 2, 2, 2, 2] x 450g cones in Shade 702 (MY).

GARMENT WEIGHT
Finished garment in fourth size weighs 395g.

The fibre content of this yarn is 78% Mohair, 13% Wool, 9% Nylon. For further information about this yarn, please write to F.W. Bramwell & Co., Unit 5, Metcalf Drive, Altham Lane, Altham, Accrington, Lancashire BB5 5TU.

PATTERN INFORMATION
For a list of the abbreviations we use, our Yarn Guide and mock rib instructions, please look under Pattern Information in Contents list on page 3.

MEASUREMENTS
To fit bust 82 [87, 92, 97, 102, 107, 112, 117] cm, 32 [34, 36, 38, 40, 42, 44, 46] in.
Actual size 106 [112, 117, 122, 128, 133, 138, 144] cm, 42 [44, 46, 48, 50½, 54½, 56½] in.
Length to shoulder 66 cm, 26 in.
Sleeve seam 515 cm, 20½ in (adjustable).

Instructions are written for the first size, larger sizes follow in brackets. If only one figure is given, it applies to all sizes.

TENSION
15 stitches and 21 rows to 10 cm, 4 in measured over stocking stitch (tension dial setting approximately 5).

For perfect results, please check your tension carefully.

KNITTING NOTES
We used knit side of knitting as right side of garment.

BACK
With carriage at right and using MY, cast on 82 [86, 90, 94, 98, 102, 106, 110] sts at centre in 1x1 rib. * K 3 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. Using MT-4/MT-4, K 12 rows. Transfer sts for st st. Set RC at 000 **. Using MT, K 116 rows.

Shape Neck
Push 55 [57, 59, 61, 63, 65, 67, 69] Ns at left to HP and cont on rem sts for first side. K 1 row. Push 2 Ns at neck edge to HP on next 3 rows. 21 [23, 25, 27, 29, 31, 33, 35] sts. K 6 rows. Using WY, K a few rows and release from machine. With carriage at left, push 27 [29, 31, 33, 35, 37, 39, 41] Ns at left from HP to UWP. Finish to correspond with first side, reversing shapings. Push rem Ns from HP to UWP. Using WY, K a few rows and release from machine.

FRONT
Work as for back to **. Using MT, K 102 rows.

Shape Neck
Push 51 [53, 55, 57, 59, 61, 63, 65] Ns at left to HP and cont on rem sts for first side. K 1 row. Push 1 N at neck edge to HP on next 10 rows. 21 [23, 25, 27, 29, 31, 33, 35] sts. K 13 rows. Using WY, K a few rows and release from machine. With carriage at left, push 31 [33, 35, 37, 39, 41, 43, 45] Ns at left from HP to UWP. Finish to correspond with first side, reversing shapings. Push rem Ns from HP to UWP. Using WY, K a few rows and release from machine.

SLEEVES
With carriage at right and using MY, cast on 46 sts at centre in 1x1 rib. Work as for back from * to **. Using MT, shape sides by inc 1 st at each end of every 4th row until there are 90 sts. K 8 rows. RC shows 96. Adjust length at this point, if required. Cast off.

TO JOIN RIGHT SHOULDER
Push 21 [23, 25, 27, 29, 31, 33, 35] Ns to WP. With K side of right back shoulder facing, replace sts on to Ns. With P side of right front shoulder facing, replace sts on to same Ns. Unravel WY. Using MT and MY, K 1 row. Cast off.

NECKBAND
With carriage at right and using MY, cast on 100 sts in 1x1 rib. K 3 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. Using MT-4/MT-4, K 8 rows. Transfer sts for st st. Using MT + 3, K 1 row. With P side facing, pick up 3 sts down left side of back neck, 40 sts around back neck, 3 sts up right side of back neck, 7 sts down right side of front neck, 40 sts around front neck and 7 sts up left side of front neck and place on to Ns. Unravel WY. K 1 row. Cast off.

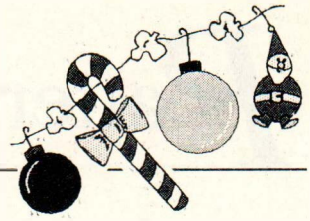
TO JOIN LEFT SHOULDER
Work as for right shoulder but read left for right.

MAKING UP
Set in sleeves, matching centre to shoulder seam. Join side, sleeve and neckband seams.

24▶

Trousers, GREAT UNIVERSAL. Earrings, JOHN LEWIS.

Machine works



CREATIVE STITCHES - Pile Knitting

This month's rib stitch is Pile. Pile can be knitted on standard- and fine-gauge machines, but not on Double-knit or Chunky gauge models. Maggie Dyke has designed a beautiful ribber wrap in Pile Knitting and you'll find the instructions on page 58

Last month I wrote about Drive Lace. It may surprise you to learn that Drive Lace and pile, which look so very different, are knitted in almost identical ways. When knitting both these stitches, the main bed stitches are dropped every two rows. For drive lace, the dropped stitches from the main bed are allowed to run into the fabric being knitted on the ribber. The resulting enlarged stitches form the pattern. When knitting punch pile, an extra yarn is knitted with the main yarn on the ribber, and this yarn prevents the dropped stitches running into the ribber fabric. Instead, they sit on the surface of the fabric, to give the pile effect.

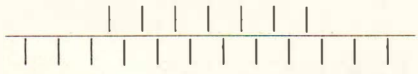
Now let's go into the details of knitting pile. I shall write first about standard pile, that is pile knitting as given in the ribber manual. Then I shall go on to see how Maggie Dyke has developed pile for the wrap pattern in this issue.

As we saw last month, when knitting any stitch where stitches are to be dropped, after knitting the welt all stitches must be transferred from the bed which will drop stitches, to the other bed. In the case of pile (and drive lace), this means transferring the stitches from the main bed to the ribber. So after knitting the welt, bring any out-of-work needles on the ribber to working position. Then transfer the stitches from the main bed to the ribber, as if you were about to knit stocking stitch on the ribber (but leave the comb and ribber weights attached).

If you just want to try pile knitting there is a quick and easy way to cast on that avoids transferring stitches. Arrange the needles for a 1x1 rib. Knit 1 row. Insert the comb and add the weights. Drop all the loops on the main bed, and return the needles to 'A' position. Bring the alternate out-of-work needles on the ribber to working position, and knit eight or so rows of stocking stitch on the ribber (carriage settings in Figure 1). To ensure that the ribber needles knit correctly move them to 'C' position, by passing the 'P' carriage across the ribber bed from left to right before every row. This cast on can also be used for drive lace.

Needles on the main bed are in the out-of-work ('A') position.		
RIBBER CARRIAGES		
All ribber carriages except SRJ70 and FRJ80	Set levers	1
	Pick knob	↙
SRJ70 and FRJ80	Set levers	1
	Select levers	0
MAIN CARRIAGES		
All machines	Cam lever	0

Figure 1 CARRIAGE SETTINGS FOR KNITTING STOCKING STITCH ON THE RIBBER



Ribber on half pitch

Figure 2

The eight rows of stocking stitch on the ribber are to establish some knitting on the ribber before knitting the pile. Whether you are starting with a welt or with the quick-and-easy cast on, finish with the carriages at the left. Once this is done, arrange the needles as in Figure 2. Notice that there are three fewer needles at each side on the main bed than on the ribber. This gives a seam allowance of plain fabric.

Punch cards for pile knitting are supplied with the ribber. The earlier electronics have patterns on their basic pack, later machines copy the pattern from their manual.

Insert the punchcard or mylar sheet and, with the card locked (or the inspection light on the electronic on) do two free passes (Figure 3) to read the card or memorise the electronic point and N1 cams.

Before starting to knit the pile fabric, the ground yarn which will lock the pile loops on the surface of the fabric must be threaded. Use a fine yarn for the ground yarn. The ground yarn and main yarn will knit on the ribber together, so the two yarns together must not be too thick to knit. A 2/30 industrial yarn is suitable with a main yarn of 4-ply. This may seem too thick for the full needle rib arrangement that pile is knitted on but, as we saw last month, when the main bed stitches are stripped off every two rows, it is possible to knit with a thicker yarn than you would normally expect. Thread the ground yarn through the second side of the yarn mast.

Threading the ground yarn seems very complicated when written about, but is actually very easy. Start by lowering the ribber to the out-of-work position. Tie a loop on the end of the ground yarn. Move the 'P' lever on the connecting arm to 'P'. Look down through the connecting arm as you do this, and you will see a triangular eyelet move towards the main bed. Now look at the upper edge of the connecting arm. Just

behind the yarn feeder you will see a semi-circular eyelet. Pass your ribber hook up from below the connecting arm, first through the triangular eyelet, then through the semi-circular eyelet, catch hold of the loop on the end of the ground yarn, and pull it down through both eyelets. Loop the ground yarn around one of the weights on the ribber comb, not to the machine. Attached to the weight it will move down with the comb as you knit. If you attach it to the machine and then forget it, it will pull the comb and weights up as you knit, the knitting won't be correctly weighted, and eventually the machine won't be able to knit correctly.

Return the ribber to the working position, then lower the pile levers. The pile levers, one on each edge of the ribber just above the main ribber drop levers, increase the gap between the main bed and the ribber, increasing the size of the pile loop.

Release the punchcard or turn off the inspection light, set the carriages as in Figure 4, and knit the following table in Figure 5. Except for the use of the ground yarn, and the pile levers, the carriage settings and knitting action are the same as for drive lace. So, if you mastered drive lace last month, you should have no problems with pile this month.

On the left-to-right rows the main bed slips and knits according to the pattern, and the ribber knits every needle. On the right-to-left rows, only the ribber knits, the main carriage slips all the needles. The main yarn knits on both the main bed and ribber, the ground yarn only on the ribber.

The 'P' carriage is used on the ribber before every row to raise the ribber needles to 'C' position, ensuring that they knit correctly. After every second row (when the carriages are at the left), The 'P' carriage is used on the main bed to strip off the pile stitches.

RIBBER CARRIAGES		
All ribber carriages except SRJ70 and FRJ80	Set levers	0
	Pick knob	∠
SRJ70 and FRJ80	Set levers	0
	Select levers	0
MAIN CARRIAGES		
Punchcard machines; and 860 and 890 electronics	Cam lever	S
	Side levers	0
Standard- and fine-gauge electronics	Carriage released using carriage release button	

Figure 3 CARRIAGE SETTINGS FOR A FREE PASS

Connecting arm	Pile lever	P
Ribber bed pile levers	Down	
RIBBER CARRIAGES		
All ribber carriages except SRJ70 and FRJ80	Set levers	1
	Pick knob	∠
SRJ70 and FRJ80	Set levers	1
	Select levers	0
MAIN CARRIAGES		
All machines	Cam lever	S
Punchcard machines	Right side lever	▽
	Left side lever	0

Figure 4 PILE KNITTING - CARRIAGE SETTINGS

1. Start with both carriages at the left.
2. With pattern locked on row 1, do two free passes (Carriage settings, Figure 3).
3. Thread ground yarn.
4. Lower ribber bed pile levers.
5. Set carriages as Figure 4.
6. Unlock punchcard, or turn off inspection light.
7. Pass 'P' carriage across ribber bed from left to right.
8. Knit 1 row to right.
9. Pass 'P' carriage across ribber bed from left to right.
10. Knit 1 row to left.
11. Pass 'P' carriage across main bed first from right to left, then from left to right.
12. Repeat from step 7.

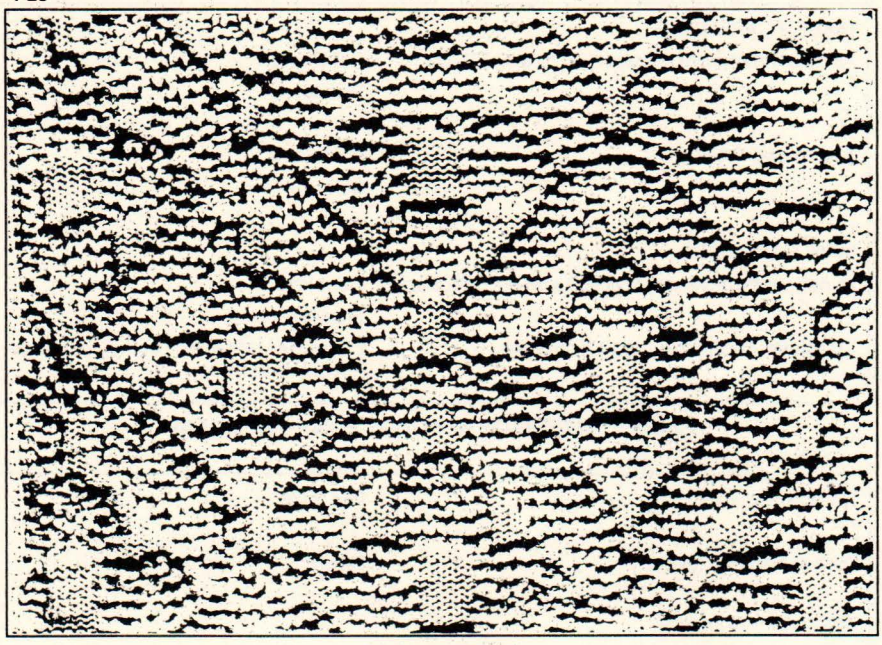
Figure 5 KNITTING PROCEDURE FOR PILE

Among your ribber accessories you will find a metal piece called the 'P' presser. This can be attached to the top of the 'P' carriage. It is sprung, and when the 'P' carriage is put on the needlebed the lip of the presser is positioned first over the sinker posts. As the pile loops are stripped off, it pushes them down between the needlebeds, ensuring that they don't get caught up when the next row is knitted. Dependng on the main yarn used, and the size of the pile loops, I have found that it isn't always necessary to use the 'P' presser. So now I wait and see. If everything knits correctly without the 'P' presser, I use just the 'P' carriage. If there is a problem with the pile being caught up, then I attach the presser.

For the tension setting, start by setting the ribber to stocking stitch tension (for the two yarns combined) plus two whole numbers. The ribber is, in a sense, knitting a stocking stitch, on which the pile is laid by the main bed. Add two numbers because the ribber bed knits a smaller stitch than the main bed on any given number. Set the main bed to the same tension. These tensions settings are to get you started. Adjust your tension settings as required, including setting the main bed to a different tension to the ribber, to get the effect you want.

As with drive lace, the patterns designed specifically for pile are marked out on alternate rows, so that the pile 24 ▶

◀ 23



PILE KNITTING

stitches are only knitted on alternate rows.

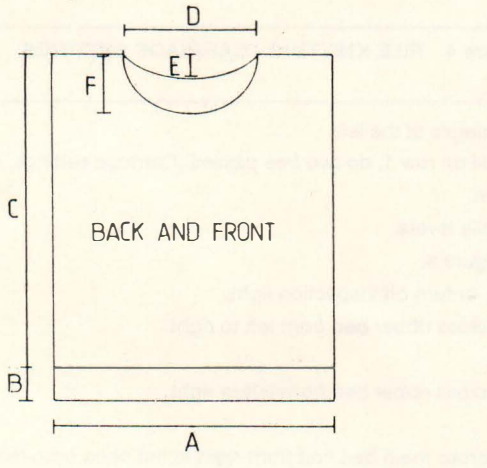
The side levers on punchcard machines are set right on ▽ and left on '0' when knitting pile. This means that the main carriage will always slip and knit the needles according to the card on the left-to-right row, and slip ALL the needles on the right-to-left row regardless of how the card is punched. Using this setting, you can use any card for pile. On standard- and fine-gauge electronic machines, the side levers are controlled by the cam lever, and on slip both the side levers are back (the equivalent of ▽), so the pattern must be marked out on alternate rows for orthodox pile.

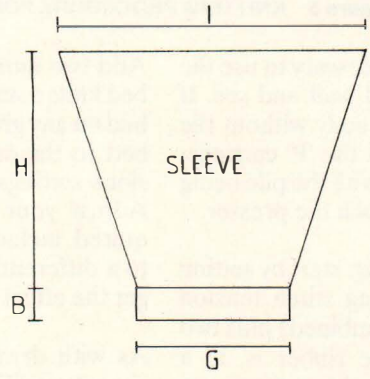
Maggie Dyke's pile fabric for the wrap, in this issue, is knitted using the same punchcard or mylar sheet as the drive lace last month. I know that one of the things Maggie likes to do is to see how many fabrics she can knit with one card. As she did for drive lace, Maggie has developed pile stitch, moving on from basic pile knitting as described above. The pattern is marked or punched on every row, and both side levers are on ▽ on the punchcard machines. Notice too that the elongation control is used, and Maggie starts knitting from the right. The pile loops are formed and stripped off every row. Maggie has used a fairly fine soft yarn for the main yarn. The fabric sample that she has sent me is very textured and very attractive.

All that remains for me to write now is A HAPPY CHRISTMAS AND A NEW SUCCESSFUL YEAR OF KNITTING.

Ann Kite

◀ 21





A = 54.5 [57, 60, 62.5, 65, 68, 70.5, 73] cm
B = 6 cm
C = 60 cm
D = 26.5 cm
E = 45 cm
F = 11 cm
G = 30.5 cm
H = 45.5 cm
I = 60 cm

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Fine gauge favourites

PENGUIN PARADE

December already! I can hardly believe how quickly the year has flown by. Talking about 'flying by' brings me to my next set of favourite designs. Well, perhaps the word 'flying' has some poetic license, because penguins can't actually fly!

Penguins are definitely one of my favourite birds, with their wonderful characters and rolling gait. As they live in the snow, I thought they would make an ideal subject to share with you in this Christmas issue. Use the designs on sweaters, Christmas stockings or even Christmas wall hangings - the possibilities are endless and there might be just enough time before Christmas Eve to finish them!

The 'icicle' idea is an excellent way of breaking the hard edge of stripes in any border design where the border is knitted in different colours to the main body of the garment.

SAMPLE 1

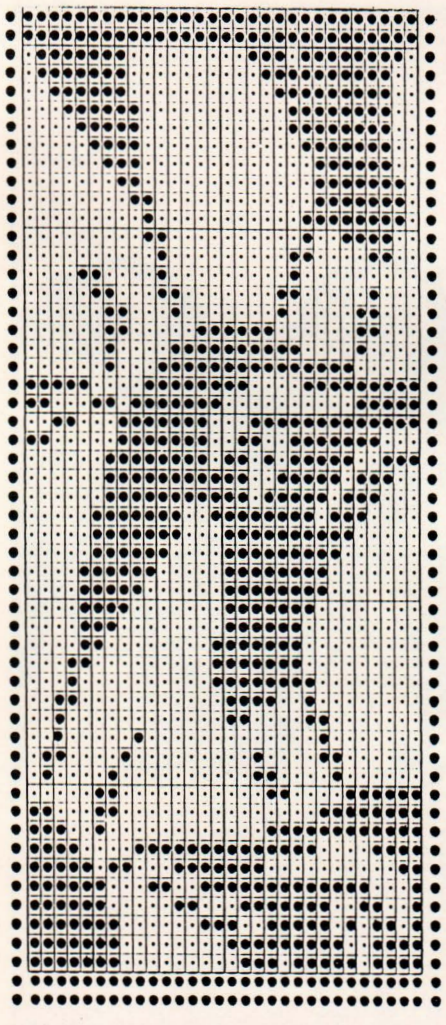
This Fair Isle design was inspired by a wildlife programme I watched on the television. There were hundreds of penguins huddled together in the snow and I've tried to recreate the picture here for you.

I knitted the sample in **Bramwell's Duo Magic** using Tension 5, with Aran as the main colour and Black as the contrast. You can use a very dark brown as an alternative to black, which gives a softer look to the design.

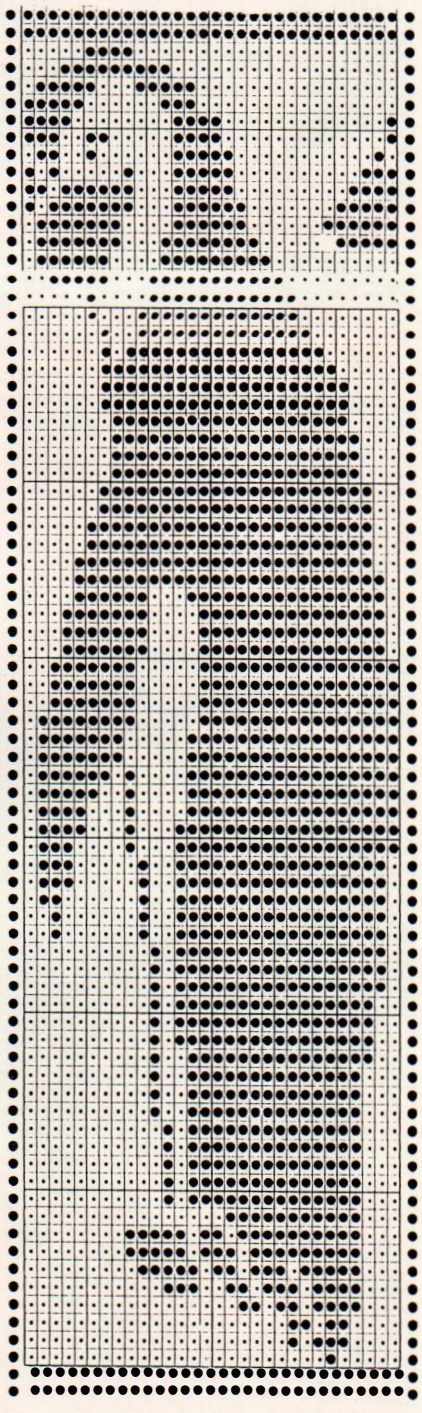
For a fluffy texture, an alternative yarn is **Forsell's Naturell.** This 3 ply wool/alpaca mix gives excellent results in White (actually cream in colour) and Cusco Grey (a dark charcoal grey with white flecks).

SAMPLE 2

This is a border design of walking penguins. Again, I have knitted this sample using **Duo Magic** for the Aran and Black penguins but, to give this design some added interest, I have used an 'icicle' design above and below it in a cheerful bright red **(Forsell's Sirocco).** The Fair Isle sections were knitted at Tension 5 and the stocking stitch at Tension 4.



PUNCHCARD 1



PUNCHCARD 2

26 ▶

SAMPLE 1

SAMPLE 2

Knitting Instructions

Lock the 'Icicle' punchcard on Row 1. The design is 20 rows long. Two repeats have been included on the punchcard for ease of use.

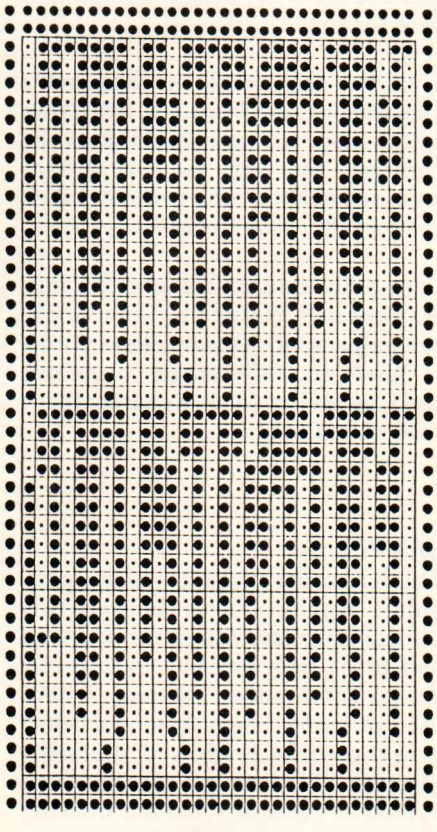
Knit to the required border position, selecting the pattern on the last row. Release punchcard and, using Red in Feeder 1 and Aran in Feeder 2, knit in Fair Isle for 20 rows (1 repeat). Remove 'Icicle' punchcard and replace with 'Walking Penguins' punchcard, locking it on Row 1.

Knit 6 rows in stocking stitch using Aran in Feeder 1, selecting the pattern on the last row. Release punchcard and, using Aran in Feeder 1 and Black in Feeder 2, knit in Fair Isle for 75 rows (1 repeat).

Remove 'Walking penguins' punchcard and replace with 'Icicle' punchcard, locking it on Row 1.

Knit 5 rows in stocking stitch using Aran in Feeder 1, selecting the pattern on the last row. Release punchcard and, using Aran in Feeder 1 and Red in Feeder 2, knit in Fair Isle for 20 rows.

Remove punchcard. Break off Aran yarn and, using Red in Feeder 1, continue to knit in stocking stitch.



PUNCHCARD 3

SAMPLE 3

I designed 'Icicle' a couple of years ago and encouraged my City & Guilds students to use it to help them visualise the impact of using one colour with another. It's a wonderful design for using up oddments of yarn and makes a really eye-catching sweater! The floats are very short and providing you keep your colour sequence the same on the front and back, you don't have to worry about pattern matching at the side seams.

My sample was knitted in Forsell's Sirocco using just three colours but you can use as many colours as you wish, making an 'amazing technicolour dreamcoat'! I used Tension 4 (MT-1) for the stocking stitch and Tension 5 (MT) for the Fair Isle. You can vary the depth of the 'icicles' by knitting more rows of stocking stitch between the Fair Isle patterning. Note that for ease of use, two 20 row repeats have been included on the punchcard.

Knitting Instructions

Lock the punchcard on Row 1.

Set the cam for stocking stitch. MT-1. Knit 6 rows in stocking stitch with your first colour in Feeder 1, selecting the first pattern row with the last row of stocking stitch.

*Unlock the punchcard, MT, set the cam for Fair Isle and, with your next colour in Feeder 2, knit in Fair Isle for 20 rows (one pattern repeat). Lock the punchcard. Set the cam for stocking stitch.

Break off the yarn in Feeder 1 and move the yarn in Feeder 2 into Feeder 1. MT-1. Knit 6 rows in stocking stitch with this colour in Feeder 1, selecting the first pattern row with the last row of stocking stitch. *

Repeat from * to * as necessary.

JUST A NOTE

I can supply all of the designs in this 30st punchcard series as a size-for-size print which you can use to trace directly on to your punchcards. Alternatively, if you would like pre-punched cards, I can supply those too. If you would like more information about this or anything to do with 30st punchcards or machines, please send an SAE (and a Chatty letter!) and I will post details by return.

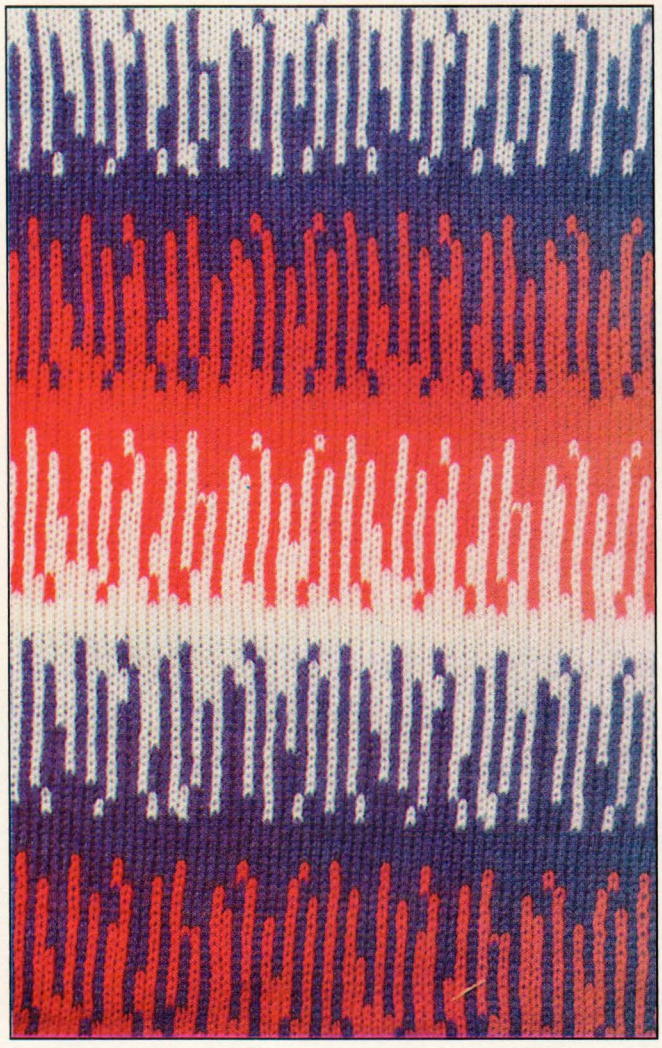
My address is **Stream House, Castle Hill, Rotherfield, East Sussex, TN6 3RU.**

Next month I will be taking a look at making the most out of your punchcards and using Fair Isle cards for tuck and slip variations.

Until then, have a very Merry Christmas.

Linda Black

SAMPLE 3



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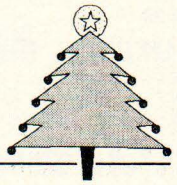
D5

Pattern 4



KALEIDOSCOPE

There's still time to make a sweater, hat and scarf set for a favourite child this Christmas. Alison Rattle has made such clever use of one of the new shades of King Cole Anti-Tickle 4 ply - you'll knit it in no time at all!

PATTERN RATING

** Fairly easy for knitters with some experience.

MACHINES

This pattern is suitable for standard gauge punchcard or electronic machines with a ribber.

If you don't have a ribber, work ribs in mock rib.

MATERIALS

King Cole Anti-Tickle 4-ply. (Yarn Guide No.11.)
1 x 500g cone in Aran (MC).
A small amount in Black (B), Scarlet (C), Gold (D) and Bottle Green (E).
King Cole Anti-Tickle Mosaics. (Yarn Guide No.11.)
1 x 250g cone in Lautrec (A).

GARMENT WEIGHT

Finished sweater in second size weighs 375g, hat weighs 60g, scarf weighs 125g.

The fibre content of these yarns is 100% Pure New Wool. For further information about these yarns, please write to the following address:- King Cole Ltd., Merrie Mills, Old Souls Way, Bingley, West Yorkshire BD16 2AX.

PATTERN INFORMATION

For a list of the abbreviations we use, our Yarn Guide and mock rib instructions, please look under Pattern Information in Contents list on page 3.

MEASUREMENTS

To fit chest 56 [61, 66, 71, 76] cm, 22 [24, 26, 28, 30] in.
Actual size 76 [82, 87, 92, 98] cm, 30 [32½, 34½, 36½, 38½] in.
Length to shoulder 46 [495, 535, 565, 61] cm, 18 [19½, 21, 22½, 24] in.
Sleeve seam 315 [35, 39, 43, 455] cm, 12½ [14, 15½, 17, 18] in (adjustable).

Instructions are written for the first size, larger sizes follow in brackets. If only one figure is given, it applies to all sizes.

TENSION

34 stitches and 38 rows to 10 cm, 4 in measured over Fair Isle pattern (tension dial approximately 7).

For perfect results, please check your tension carefully.

KNITTING NOTES

We used knit side of knitting as right side of garment.
Before knitting, prepare any punchcards or electronic sheets needed, from the charts provided. Note that punchcard patterns, as shown, may have to be repeated until the card is a suitable length for knitting.
Knit two colour Fair Isle rows with first colour given in back feeder 1/A to knit background and second colour given in front feeder 2/B to knit contrast pattern.

Silver Reed Electronic Machines

Place needle 1 cam between Ns 12 and 13 at left or right of centre 0. Press button 1 (left light on) and button 2 (left light on for 580 and SK840 machines, right light on for earlier models).

Brother Electronic Machines

Place pattern over centre 0.

SWEATER

Fair Isle Pattern: K 18 rows MC/B, 3 rows MC only (st st), 2 rows MC/C, 1 row MC only (st st), 12 rows MC/E, 1 row MC only (st st) and 2 rows MC/C. Remove card. Insert Card 2 and lock on first row. Cont in st st and MC, K 1 row. Release card and cont in Fair Isle. * K 25 rows A/MC, 1 row A only (st st) *. Rep from * to * throughout.

BACK

With carriage at right, push 130 [142, 150, 158, 170] Ns on each bed at centre to WP. Arrange Ns for 2x2 rib. Using MC, cast on and K 5 tubular rows. Carriage is at right. Set machine for 2x2 rib knitting. Set RC at 000. Using MT-4/MT-4, K 20 rows. Transfer sts for st st.

1st and 4th sizes

Inc 1 st at each end.

All sizes

132 [142, 150, 160, 170] sts.
Insert Card 1 and lock on first row. Take carriage across twice without knitting. Set RC at 000. Using MT, K 1 row. Release card and cont in Fair Isle patt **. K 155 [169, 185, 195, 213] rows. RC shows 156 [170, 186, 196, 214]. Push 38 [43, 47, 52, 57] Ns at left and right to HP. Using WY, K a few rows in st st over rem 56 sts and release from machine. Push 38 [43, 47, 52, 57] Ns at right from HP to UWP. Using WY, K a few rows and release from machine. Push 38 [43, 47, 52, 57] Ns at left from HP to UWP. Using WY, K a few rows and release from machine.

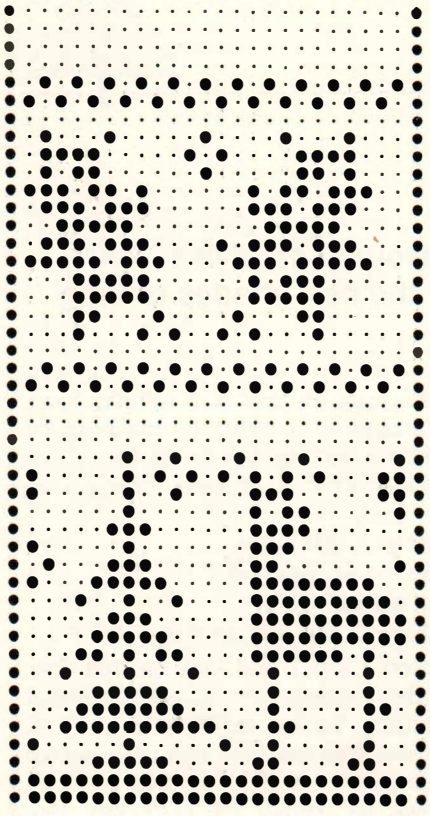
FRONT

Work as for back to **. K 133 [145, 161, 169, 187] rows. 22 [24, 24, 26, 26] rows less have been worked to shoulder than on back.

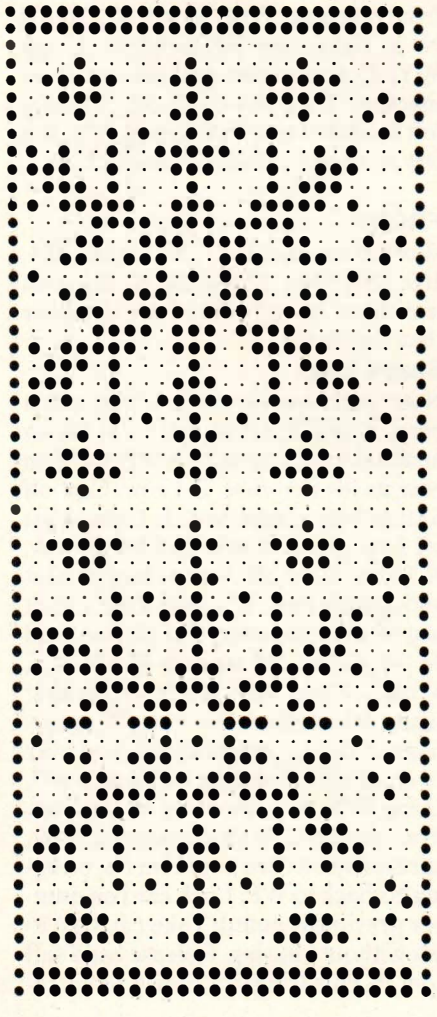
Shape Neck

Note patt row on card. Using nylon cord, K 74 [79, 83, 88, 93] sts at left by hand taking Ns down to NWP. Cont on rem sts for first side. K 1 row. Cast off 5 sts at beg of next row. K 1 row. Cast off 3 sts at beg of next and foll alt row. K 1 row. Cast off 2 sts at beg of next and foll alt row. K 1 row. Dec 1 st at beg of next and every foll alt row until 38 [43, 47, 52, 57] sts rem. K 2 [4, 4, 6, 6] rows. Using WY, K a few rows in st st and release from machine. With carriage at right, unravel nylon cord over 16 Ns at right, bringing Ns back to WP. Using WY, K a few rows and release from machine. With carriage at right, unravel nylon cord over rem Ns, bringing Ns back to WP. Lock card on number previously noted. Take carriage to left without knitting. Release card and cont in Fair Isle patt. Finish to corre- 30▶

PUNCHCARD CHART 1



PUNCHCARD CHART 2



spond with first side, reversing shapings.

SLEEVES

With carriage at right, push 62 [66, 66, 70, 70] Ns on each bed at centre to WP. Arrange Ns for 2x2 rib. Using MC, cast on and K 5 tubular rows. Carriage is at right. Set machine for 2x2 rib knitting. Set RC at 000. Using MT-4/MT-4, K 15 rows. Transfer sts for st st. Inc 1 st at each end. 64 [68, 68, 72, 72] sts. Insert Card 1 and lock on first row. Take carriage across twice without knitting. Set RC at 000. Using MT, K 1 row. Release card and cont in Fair Isle patt. K 1 row. Shape sides by inc 1 st at each end of next and every foll 3rd [3rd, 3rd, 3rd, 4th] row until there are 114 [114, 86, 82, 134] sts, then on every foll 4th [4th, 4th, 4th, 5th] row until there are 124 [134, 134, 144, 144] sts. K 10 rows. RC shows 105 [119, 133, 149, 158]. Adjust length at this point if required. Cast off.

TO JOIN RIGHT SHOULDER

Push 38 [43, 47, 52, 57] Ns to WP. With K side of right back shoulder facing, replace sts on to Ns. With P side of right front shoulder facing, replace sts on to same Ns. Unravel WY. Using MT + 1 and A, K 1 row. Cast off.

NECKBAND

Push 122 [126, 126, 130, 130] Ns to WP. With K side facing, pick up 24 [26, 26, 28, 28] sts down left side of front neck, 16 sts across front neck, 24 [26, 26, 28, 28] sts up right side of front neck and 56 sts across back neck, inc 2 sts evenly. Unravel WY. Set RC at 000. Using MT and MC, K 1 row. Transfer sts for 2x2 rib. Using MT-4/MT-4, K 30 rows. Transfer sts for st st. Using MT, K 1 row. Using WY, K a few rows and release from machine.

TO JOIN LEFT SHOULDER

Work as for right shoulder but read left for right.

PRESSING

With wrong side facing, pin out all pieces to measurements given. Press carefully following instructions on cone band.

MAKING UP

Join neckband seam. Set in sleeves, matching centre to shoulder seams. Join side and sleeve seams. Fold neckband in half to right side and pin in position. Unravelling WY as required, backstitch through open loops of last row worked in MC. Swiss darn Rudolph's nose and holly berries in C and star at top of tree in D as shown in photograph.

HAT

Fair Isle Pattern: K 25 rows A/MC and 1 row A only (st st). These 26 rows form patt.

TO KNIT

With carriage at right, push 150 Ns on each bed at centre to WP. Arrange Ns for 2x2 rib. Using MC, cast on and K 5 tubular rows. Carriage is at right. Set machine for 2x2 rib knitting. Set RC at 000. Using MT-4/MT-4, K 46 rows. Transfer sts for st st. Insert Card 2 and lock on first row. Take carriage across twice without knitting. Set RC at 000. Using MT, K 1 row. Release card and cont in Fair Isle patt. K 48 rows. Cont in st st and A. Using MT + 3, K 1 row. Counting from both edges, transfer 2nd and every foll alt st on to its adjacent N towards centre. Push empty Ns to NWP. (76 Ns in WP.) Counting from both edges, transfer sts from 2nd and every foll alt N in WP on to next N in WP working towards centre. Transfer sts from N 1 at right to N 1 at left. Push empty Ns to NWP. (39 Ns in WP.) K 1 row. Break off yarn, leaving a long end. Using a tapestry needle, thread end through all sts and release from machine.

PRESSING

With wrong side facing, pin out to measurements given. Press carefully following instructions on cone band.

MAKING UP

Pull up yarn to gather stitches and secure. Join side seam. Fold rib in half to right side.

SCARF

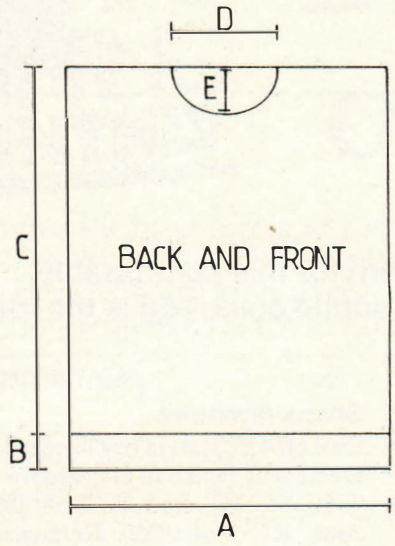
Using MC, cast on 72 sts at centre by hand. Insert Card 2 and lock on first row. Set RC at 000. Using MT-2, K 20 rows. Make a hem by placing cast on sts on to corresponding Ns. Set RC at 000. Using MT, K 1 row. Release card and cont in Fair Isle patt as for Hat. K 363 rows. Cont in st st and MC, K 1 row. Using MT-2, K 20 rows. Cast off.

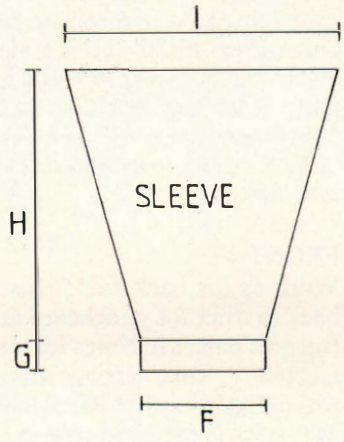
PRESSING

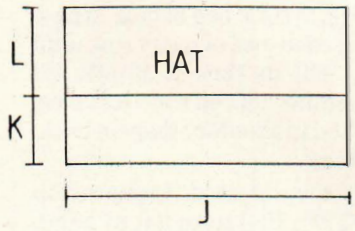
With wrong side facing, pin out to measurements given. Press carefully following instructions on cone band.

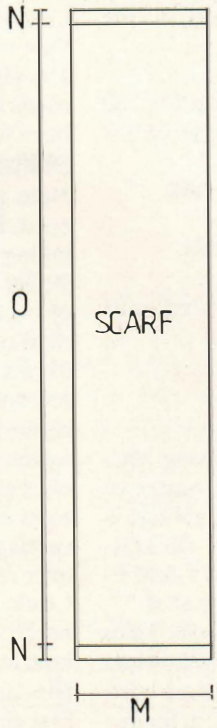
MAKING UP

Turn in 10 rows at cast off edge and catch down on wrong side. Press lightly. Make tassels and attach to hems, if required.









A = 38.5 [41.5, 44, 47, 50] cm
B = 5 cm
C = 41 [44.5, 48.5, 51.5, 56] cm
D = 16.5 cm
E = 55 [6, 6, 65, 65] cm
F = 18.5 [20, 20, 21, 21] cm
G = 4 cm
H = 27.5 [31, 35, 39, 41.5] cm
I = 36 [39, 39, 42, 42] cm
J = 44 cm
K = 10.5 cm
L = 13.5 cm
M = 21 cm
N = 2 cm
O = 96 cm

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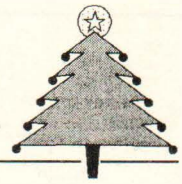
Pattern 5



CASUAL CLASSIC

Barbara Tobias has created another original Fair Isle pattern for this comfortable, man's design. Knitted in Brockwell 3/14's Lambswool, its subtle colouring is the ideal choice for most men!

PATTERN RATING
** Fairly easy for knitters with some experience.

MACHINES
This pattern is suitable for standard gauge punchcard or electronic machines with a ribber.

If you don't have a ribber, work ribs in mock rib.

MATERIALS
Brockwell 3/14 Lambswool.
(Yarn Guide No. 11.)
1 x 400g cone in Black (MC).
1 x 400g cone in Mid Grey (C).
Available in multiples of 50g on cone.

GARMENT WEIGHT
Finished garment in second size weighs 505g.

The fibre content of this yarn is 70% Lambswool, 20% Angora, 10% Nylon. For further information about this yarn, please write to the following address:- S. & J. Andrews (West Yorkshire) Ltd., Stansfield Mill, Stansfield Mill Lane, Triangle, Sowerby Bridge, West Yorkshire HX6 3LZ.

PATTERN INFORMATION
For a list of the abbreviations we use, our Yarn Guide and mock rib instructions, please look under Pattern Information in Contents list on page 3.

MEASUREMENTS
To fit chest 92-97 [102-107, 112, 117] cm, 36-38 [40-42, 44-46] in.
Actual size 111 [120, 130] cm, 43½ [47½, 51½] in.
Length to shoulder 66 cm, 26 in.
Sleeve seam 49.5 cm, 19½ in.

Instructions are written for the first size, larger sizes follow in brackets. If only one figure is given, it applies to all sizes.

TENSION
30.5 stitches and 37 rows to 10 cm, 4 in measured over Fair Isle pattern (tension dial approximately 9). Wash and allow to dry naturally before measuring.

For perfect results, please check your tension carefully.

KNITTING NOTES
We used knit side of knitting as right side of garment.
Before knitting, prepare any punchcards or electronic sheets needed, from the charts provided. Note that punchcard patterns, as shown, may have to be repeated until the card is a suitable length for knitting.

Silver Reed Electronic Machines
Place needle 1 cam between Ns 12 and 13 at left or right of centre 0. Press button 1 (left light on).

Back and Sleeves
Press button 2 (left light on for 580 and SK840 machines, right light on for earlier models).

Front
Press button 2 (right light on for 580 and SK840 machines, left light on for earlier models).

Brother Electronic Machines
Place pattern over centre 0.
Reverse switch 1 for front only.

Punchcard Machines
Insert card back to front for front only.

BACK
With carriage at right and using MC, cast on 172 [186, 200] sts at centre in 1x1 rib. * K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. Using MT-6/MT-6, K 36 rows. Transfer sts for st st **. Insert card and lock on first row. Take carriage across twice without knitting. Set RC at 000. Using MT, release card and cont in Fair Isle with MC in feeder 1/A and C in feeder 2/B *. K 124 rows.

Shape Armholes
Cast off 4 [5, 5] sts at beg of next 2 rows. Dec 1 st at each end of every row until 156 [166, 180] sts rem. K 90 [89, 89] rows. RC shows 220. Remove card. Push 49 [54, 61] Ns at left and right to HP. Using WY, K a few rows in st st over rem 58 Ns and release from machine. Push 49 [54, 61] Ns at right from HP to UWP. Using WY, K a few rows and release from machine. Push 49 [54, 61] Ns at left from HP to UWP. Using WY, K a few rows and release from machine.

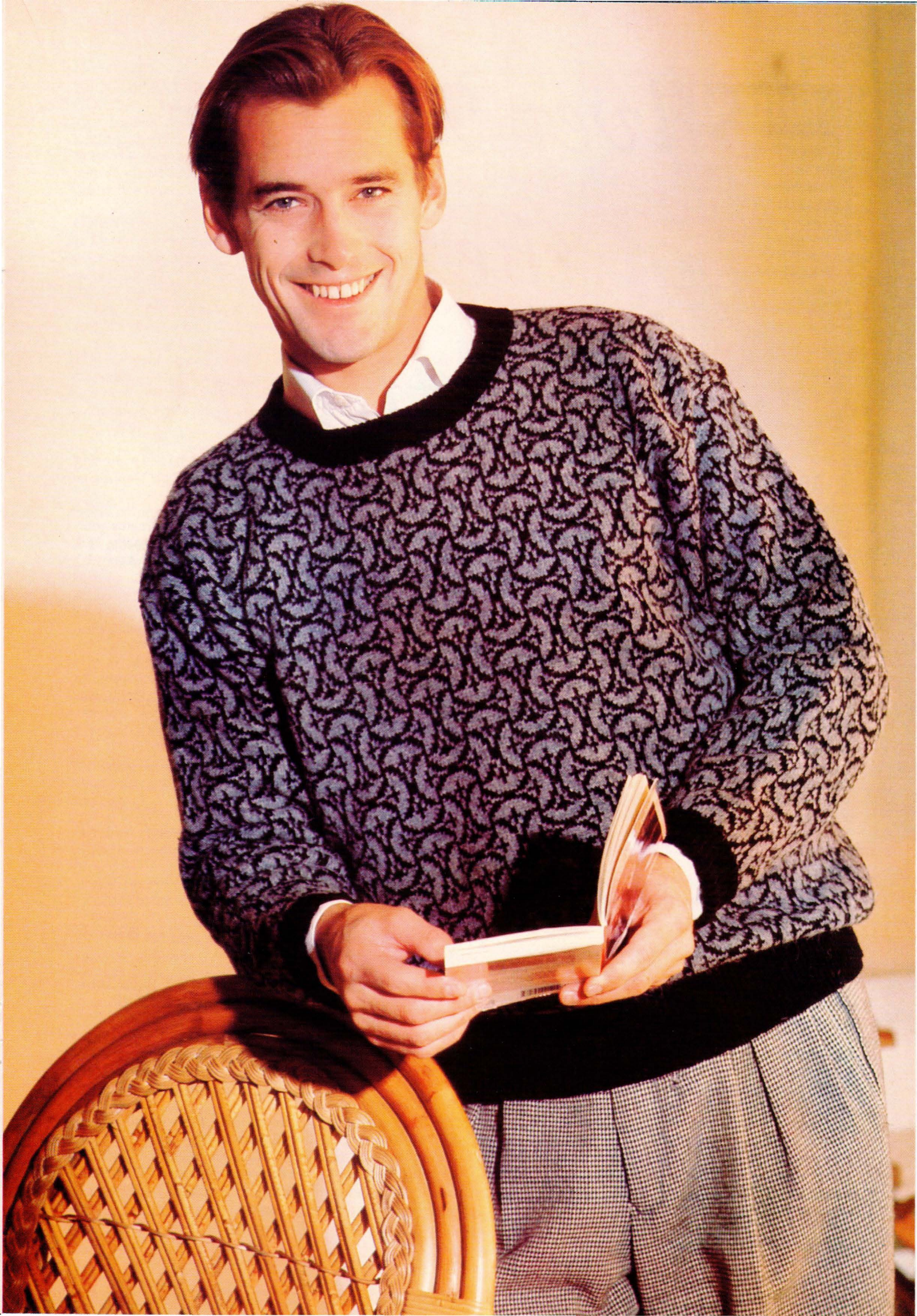
FRONT
Work as for back to **. Insert card back to front for punchcard machines (reverse patt as in Notes for electronic machines). Take carriage across twice without knitting. Set RC at 000. Using MT, release card and cont in Fair Isle with MC in feeder 1/A and C in feeder 2/B. K 124 rows.

Shape Armholes
Cast off 4 [5, 5] sts at beg of next 2 rows. Dec 1 st at each end of every row until 156 [166, 180] sts rem. K 50 [49, 49] rows. RC shows 180. 40 rows less have been worked to shoulder than on back.

Shape Neck
Note patt row on card. Using nylon cord, K 92 [97, 104] sts at left by hand, taking Ns down to NWP. Cont on rem sts for first side. Dec 1 st at neck edge of every row until 54 [59, 66] sts rem, then on every foll alt row until 49 [54, 61] sts rem. K 20 rows. Using WY, K a few rows in st st and release from machine. With carriage at right, unravel nylon cord over 28 Ns at right, bringing Ns back to WP. Using WY, K a few rows and release from machine. With carriage at right, unravel nylon cord over rem Ns, bringing Ns back to WP. Lock card on number previously noted. Take carriage to left without knitting. Release card and cont in Fair Isle patt. Finish to correspond with first side, reversing shapings. Remove card.

36 ▶

Shirt and trousers, FREEMANS.



Silver Knitter of the Year Competition

*** Earn the prestige of being the Silver Knitter of the Year**

*** See your design in print**

*** Win valuable prizes**

All our talented readers now have the chance to prove what they can do with their wonderful knitting machine! The **Silver Knitter of the Year Competition** is open to every machine knitter. However, all designs entered in the competition must be knitted on a **Silver Reed** machine using any of the yarns from the fabulous **Bramwell** range.

WHAT YOU SHOULD DO

- Knit your own, original design using any of the vast range of yarns available from the **Bramwell** collection.

- The design must fit into one of the following categories:

1. **Day wear** (three prize winners)
2. **Evening wear** (three prize winners)
3. **Leisure wear** (three prize winners)

- It can be a design for a man, woman or child.

- The judges will be looking for originality of design, unusual techniques, expert finishing and suitability to category entered.

NO GARMENTS ARE TO BE SENT UNLESS YOU ARE A FINALIST

Do not post your completed garment to us. At this stage, all we require is a photograph of the completed garment being worn and close-up photographs of any detail you think is important. Please write your name and address clearly on the back of the photographs. Send them together with a knitted swatch of the main fabric of your garment, approximately nine inches square and a written description of your garment up to 100 words long.

DESIGNS IN PRINT

The sooner you send your design to us, the greater your chance will be of seeing it published in the magazine and having your entry featured in a special **'Early Arrivals'** section in forthcoming issues.

THE ROAD TO THE FINALS

Preliminary judging will take place and a selection of entries will be chosen by the judges. Designers of these will be invited to send in their garments for final judging.

Each finalist will receive a certificate announcing his or her status as a finalist. A **Certificate of Merit** will also be awarded to knitters who have reached a standard of excellence.

PRIZES

Stage One

Nine prize winners will be announced - three in each category.

The first prize winner in each category will receive a **Silver Reed** voucher for knitting equipment to the value of £250.

The second prize winner in each category will win **Bramwell** Yarn to the value of £250.

The runner-up in each category will win a **Silver Reed** voucher for knitting equipment to the value of £50 and **Bramwell** Yarn to the value of £50.

All nine prize winners will receive a year's subscription to **Modern Knitting** plus a binder to keep the copies in.

Stage Two

The final judging to take place to select the overall winner who will become the **Silver Knitter of the Year** and will win the outstanding first prize of **£1,000 worth of machine knitting equipment from the comprehensive Silver Reed range**. The winner will be able to choose any machine or accessory from the current range.

SHOULD YOU MAKE IT THROUGH TO THE FINAL STAGES

The winning designs must be knitted on a **Silver Reed** knitting machine (but you don't have to own it) and in **Bramwell** yarn and sent to us, together with the written pattern - including original charts and diagrams, for publication in a future issue of **Modern Knitting.**

TO ENTER

1. Design and knit your garment on a **Silver Reed** knitting machine using **Bramwell** yarns. (You don't have to own the machine.)

2. Take a photograph of the garment (you can wear it yourself or ask a friend to model it for you).

3. Write your name and address clearly on the back of the photograph, together with the category you have entered.
4. Knit a swatch of the main fabric, approximately nine inches square and pin to it the cone band from the yarn you have used.

5. Write a brief description of the design - up to 100 words, mentioning any features of special interest.

6. Fill in the coupon on this page.

7. Post the coupon, photographs, swatch, cone band(s) and description to the **Silver Knitter of the Year Competition**, *Modern Knitting, 17 Grove Park, Waltham Road, White Waltham, Maidenhead, Berkshire SL6 3LW.* Enclose a large, self-addressed envelope, stamped with the correct postage if you would like your entry returned.

8. Entries can be sent in at any time, but must reach us by 30th April 1995. We can accept no responsibility for entries lost or delayed in the post.

9. No cash alternative will be offered.

10. The winners will be notified in writing and the competition results will be published in a future issue of Modern Knitting.

11. The judges' decision is final and no correspondence will be entered into regarding the competition.

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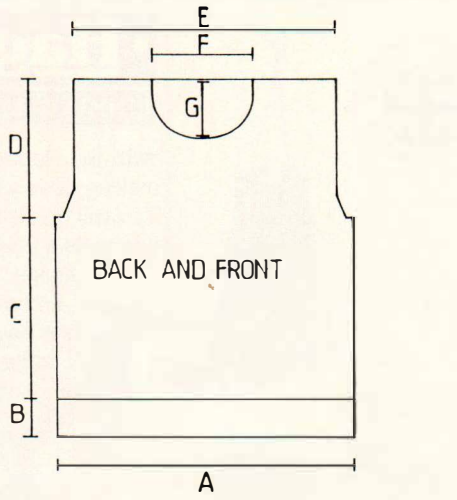

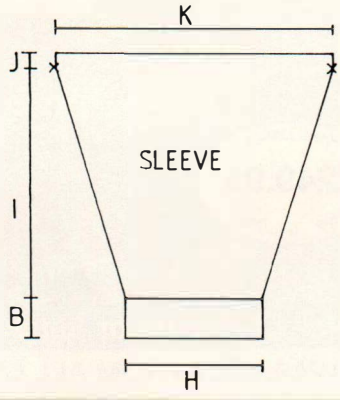

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B = 7 cm
C = 33.5 cm
D = 25.5 cm
E = 51 [54, 59] cm
F = 19 cm
G = 10.5 cm
H = 26 cm
I = 42.5 cm
J = 2.5 cm
K = 52 cm

SLEEVES

With carriage at right and using MC, cast on 80 sts at centre in 1x1 rib. Work as for back from * to *. Shape sides by inc 1 st at each end of every row until there are 86 sts, then on every foll 3rd row until there are 116 sts, then on every foll 5th row until there are 160 sts. RC shows 158. Place marker at each end. K 10 rows. Cast off.

TO JOIN RIGHT SHOULDER

Push 49 [54, 61] Ns to WP. With K side of right back shoulder facing, replace sts on to Ns. With P side of right front shoulder facing, replace sts on to same Ns. Unravel WY. Using MT + 1 and MC, K 1 row. Cast off with a latch tool.

NECKBAND

Push 164 Ns to WP. With K side facing, pick up 36 sts down left side of front neck, 28 sts across front neck, inc 2 sts evenly, 36 sts up right side of front neck and 58 sts across back neck, inc 4 sts evenly. Unravel WY. Using MT-1 and MC, K 1 row. Transfer sts for 1x1 rib. Using MT-5/MT-5, K 26 rows. Transfer sts for st st. Using MT-1, K 1 row. Using WY, K a few rows and release from machine.

TO JOIN LEFT SHOULDER

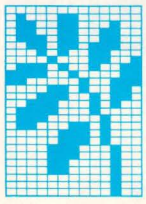
Work as for right shoulder but read left for right.

WASHING AND PRESSING

Wash pieces gently to remove oil, using fabric softener in final rinse. With wrong side facing, pin out all pieces to measurements given and allow to dry in shape.

MAKING UP

Set in sleeves between markers, easing in. Join side, sleeve and neckband seams. Fold neckband in half to right side and pin in position. Unravelling WY as required, backstitch through open loops of last row worked in MC.



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D4

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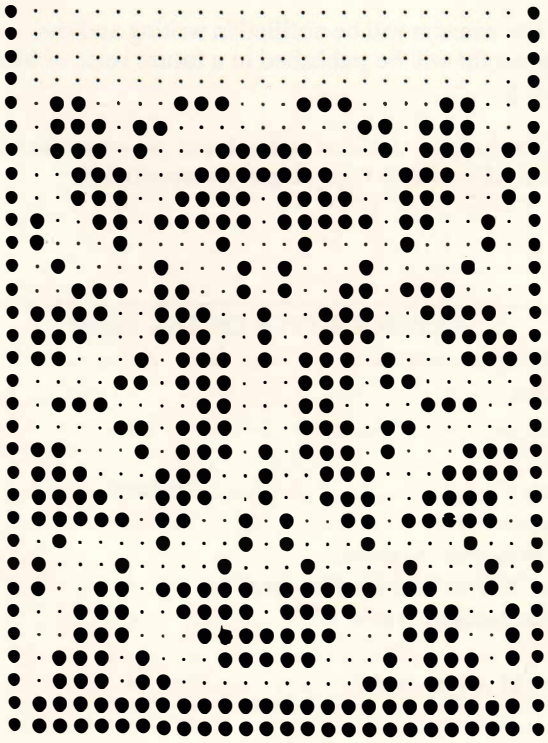

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Creative lecture by qualified designer covering design research, inspirations, colour theory and yarn usage. Detailed design techniques as given in Swatch Spot articles in Modern Machine Knitting. Garments from children to adults shown. Workshops can be arranged. Any distance considered.

ANN BROWN. Posh Frocks, 35 The Links, Whitehill, Bordon, Hampshire GU35 9HB. Tel: 01420-474904.
Invite Ann to share her techniques on design and finishing with your club. Low cost day workshops undertaken. Any distance. Taking bookings for Jersey, Cornwall, Devon, and the Midlands. S.A.E. for details.

ANN DISHMAN. Briarbank, Highview Lane, Ridgewood, Uckfield, East Sussex TN22 5SY. Tel: 01825-767757.
Life with Angoras. Angora yarn: its uses, handspinning for the knitting machine. Rainbow dyeing of commercial and handspun yarns with demonstrations. Reasonable distance as rabbits also travel to clubs.

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Pattern 6

MOHAIR MAGIC

Eileen Cashmore has chosen BSK Kaleidoscope Mohair - in the season's favourite colours - for this stunning, party top. She's added just a hint of sparkle with Accent Lurex and designed a lovely edging we're sure you'll want to try!

PATTERN RATING
** Fairly easy for knitters with some experience.

MACHINES
This pattern is suitable for chunky machines.

MATERIALS
B.S.K. Kaleidescope Mohair.
(Yarn Guide No. 18.)
1 x 450g cone in Black (MC).
1 x 450g cone in Lipstick (A).
1 x 450g cone in Silver Grey (B).
Accent Lurex.
1 x 250m cone in Silver (C).
1 x 250m cone in Red (D).

GARMENT WEIGHT
Finished garment in second size weighs 475g.

The fibre content of these yarns is 78% Mohair, 13% Wool, 9% Nylon. For further information about these yarns, please write to the following address:- B.S.K. Limited, Murdock Road, Bedford MK41 7LE.

PATTERN INFORMATION
For a list of the abbreviations we use, our Yarn Guide and mock rib instructions, please look under Pattern Information in Contents list on page 3.

MEASUREMENTS
To fit bust 76-82 [87-92, 97-102] cm, 30-32 [34-36, 38-40] in.
Actual size 96 [105, 120] cm, 38 [41½, 47½] in.
Length to shoulder 57.5 cm, 22½ in.
Sleeve seam 44.5 cm, 17½ in.

Instructions are written for the first size, larger sizes follow in brackets. If only one figure is given, it applies to all sizes.

TENSION
15 stitches and 25 rows to 10 cm, 4 in measured over stocking stitch (tension dial approximately 5).

For perfect results, please check your tension carefully.

KNITTING NOTES
We used knit side of knitting as right side of garment.

BACK
Push 78 Ns at centre to WP. Using MT and WY, cast on and K a few rows, ending with carriage at left. Using nylon cord, K 1 row. Place marker at centre 0. Set RC at 000 *. Using MC, K 120 [132, 150] rows. Place marker at centre 0. Using WY, K a few rows and release from machine.

FRONT
Work as for back to *. Using MC, K 18 rows. ** Lock RC. Counting from left edge, transfer every 5th st in WP on to adjacent N at right, leaving empty Ns in WP. Using B, K 6 rows. Cast off loosely all sts in B, leaving empty Ns in WP. Pick up sts from last row worked in MC and place on to corresponding empty Ns. Release RC **. Using MC, K 9 rows. RC shows 27. Push 12 Ns at right to HP. Rep from ** to ** over rem 66 Ns. Push Ns from HP to UWP. Using MC, K 8 rows. RC shows 35. Push 24 Ns at right to HP. Rep from ** to ** over rem 54 Ns. Push Ns from HP to UWP. Using MC, K 6 rows. RC shows 41. Push 36 Ns at right to HP. Rep from ** to ** over rem 42 Ns. Push Ns from HP to UWP.

2nd and 3rd Sizes
Using MC, K 6 rows. RC shows 47. Push 48 Ns at right to HP. Rep from ** to ** over rem 30 Ns. Push Ns from HP to UWP.

3rd Size
Using MC, K 8 rows. RC shows 55. Push 60 Ns at right to HP. Rep from ** to ** over rem 18 Ns. Push Ns from HP to UWP.

All Sizes
RC shows 41 [47, 55]. Using MC, K 79 [85, 95] rows. RC shows 120 [132, 150]. Place marker at centre 0. Using WY, K a few rows and release from machine.

SLEEVES
Join shoulder seams as required (see diagram for direction of knitting). Push 76 Ns at centre to WP. With P side facing, replace 78 sts between markers on to Ns, placing 2 sts tog on to 2 centre Ns. Set RC at 000. Using MT and MC, K 10 rows. Shape sides by dec 1 st at each end of next and every foll 7th row until 52 sts rem. K 6 rows. RC shows 94. Using WY, K a few rows and release from machine.

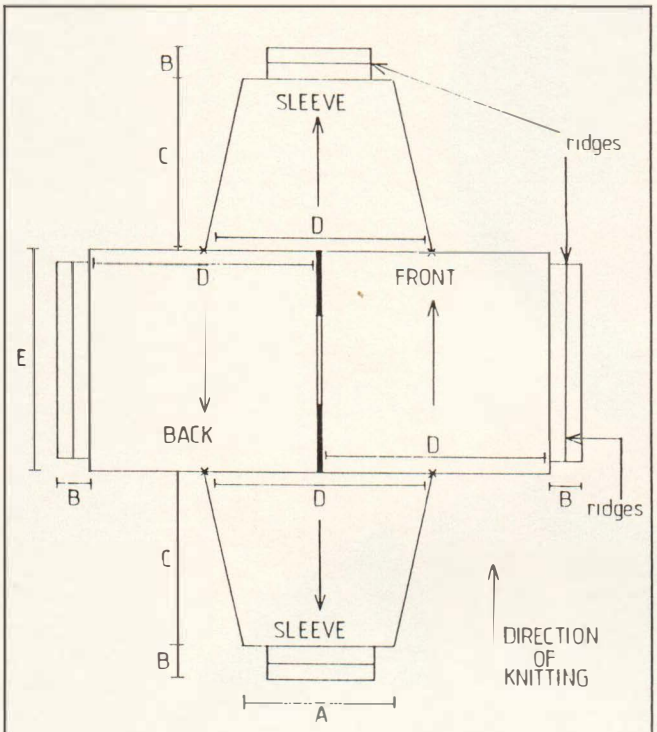
WELTS
Push 60 [64, 70] Ns to WP. * Using MT and WY, cast on and K a few rows, ending with carriage at left. Using nylon cord, K 1 row. Set RC at 000. Using MT-2 and MC, K 8 rows. Work as for front from ** to **. Using MC, K 12 rows. RC shows 20. Using MT+3, K 1 row. Using MT-2, K 20 rows. Make a hem by placing loops of first row worked in MC on to corresponding Ns. Using MT, K 1 row *. With P side facing, pick up sts along lower edge and place on to Ns. K 1 row. Cast off loosely.

CUFFS
Push 32 Ns to WP. Work as for welts from * to *. With P side of sleeve facing, replace 52 sts from lower edge on to Ns as follows:- 1 st on to each of first 6 Ns, 2 sts tog on to each of next 20 Ns and 1 st on to each of last 6 Ns. K 1 row. Cast off loosely.

CORDS
Using A, C and D tog, cast on 4 sts by hand. Using MT-1, K 2 rows. Cont in circular cord knitting (set to slip one way). Knit 1 cord long enough to go loosely around welt, 2 cords for cuffs and 2 [3, 3] cords for front of sweater according to size.

42 ▶

Skirt, RICHARDS. Earrings, MONET.



A = 34.5 cm
B = 7 cm
C = 37.5 cm
D = 50.5 cm
E = 48 [52.5, 60] cm

TO JOIN SIDE SEAMS

Push 39 Ns to WP. With K side facing, replace sts from back on to Ns. With P side of front facing, replace sts from front on to same Ns. Using MT and MC, K 1 row. Cast off loosely.

MAKING UP

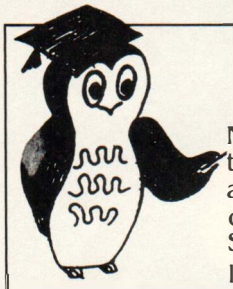
Thread cords through holes at base of ridges in an over-sewing action, wrapping cord around ridge. Do this on welts, cuffs and front of sweater as shown. Sew in ends of cords neatly. Join sleeve, welt and cuff seams. Brush lightly.

BEADED COLLAR

Free Draw Results

Ten of our readers will probably be wearing a very attractive beaded lace collar this Christmas - courtesy of the **Leicester Thread and Trimming Manufacturers Limited**. A lace collar is on its way to Mrs M.J. Lindley of Porlock, Mrs C.I. Morris of Chasetown, Mrs J.A. Saunders of Redruth, Pauline Causey of Truro, Mrs June Sturt of East Dulwich, Mrs M. Bull of Tonbridge, Eleanor Fisher of Castle Douglas, Mrs J. Down of Bristol, Mrs G. Roberts of Llithfaen and Mrs M. Dovey of Solihull.

Many congratulations to all of our winners this month!



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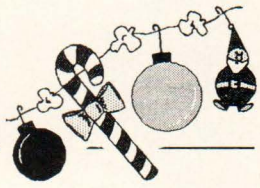
Competition



You could be one of the ten lucky prize winners to receive this beautiful Norwegian Style Ski Sweater pattern plus Bramwell's Bramwool in navy and white from F.W. Bramwell & Co. Ltd.

RULES

1. You should print your answer clearly on a postcard or on the back of an envelope together with your name and address and send it to: December Competition, Modern Machine Knitting, 17 Grove Park, Waltham Road, White Waltham, Maidenhead, Berkshire SL6 3LW.
2. The competition is open to residents in the UK only, except employees of Modern Knitting Ltd., the magazine's typesetter, printer, distributor, employees of this month's sponsor and their relatives.
3. Your entry must reach us by 31st December 1994 and we accept no responsibility for entries lost or delayed in the post.
4. No cash alternative will be offered.
5. The winners will be the first five entries drawn from our postbag after the closing date.
6. The winners will be notified in writing and the competition result will be published in a future issue of Modern Machine Knitting.
7. The Editor's decision is final and no correspondence will be entered into regarding the competition.

Bramwool knits as a 4 ply and contains 75% Acrylic and 25% English Wool, available on a 400 gram cone.

Bramwells have just introduced 10 new colours to this range of mixture/lovat shades, bringing the total to 30 colours available in this Acrylic/Wool mix.

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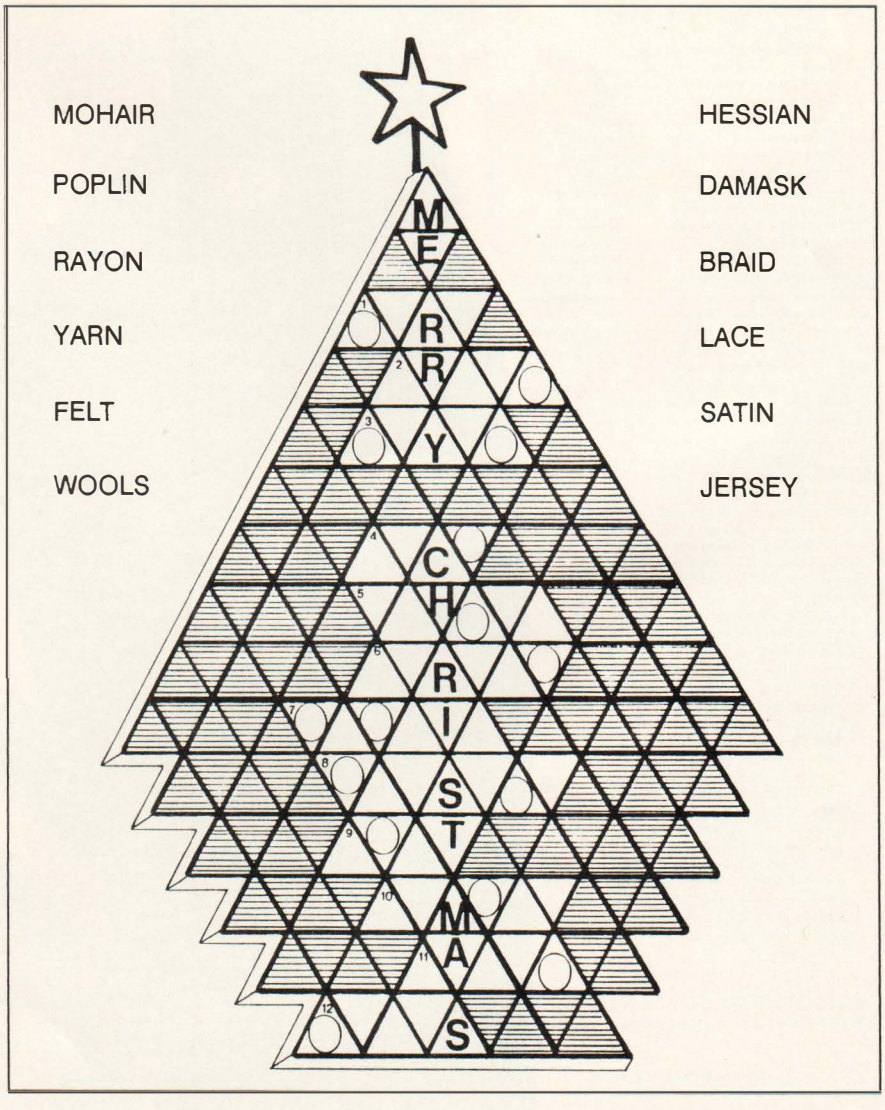
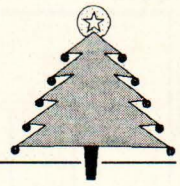
As you can see, we wish you a 'Merry Christmas' in this month's puzzle and we are hoping for an appropriate message from you in return!

Fit the words into the tree from left to right, using the letters of MERRY CHRISTMAS to help you to decide which goes where. When you have done this, you will find that the letters in the circles, when rearranged, will form five words that will be your Seasonal message to us! Put the message on a postcard or on the back of a sealed envelope, add you name and address, and send it to **December Norwegian Sweater Competition at our address on page 3.**



Pattern 7



FINISHING TOUCH - A TOUCH OF CLASS

Yeoman Grigna and Supersheen are two favourite yarns for machine knitting. Angela Gordon has combined them beautifully in this outfit - and she shows you how to achieve a perfect finish in her Finishing Touch article this month

PATTERN RATING

** Fairly easy for knitters with some experience.

MACHINES

This pattern is suitable for standard gauge machines.

MATERIALS

DRESS

Yeoman Grigna.
2 x 500g cones in Solid Black (MC). (Yarn Guide No.11.)
Yeoman Supersheen.
1 x 450g cone in Black (A). (Yarn Guide No.4.)
Length of 25 cm wide elastic to fit waist.
Large Norwegian Clasp available from The Button Lady, 16 Hollyfield Road South, Sutton Coldfield, West Midlands B76 1NX.

VEST

Yeoman Manilla.
1 x 250g cone in Silver (B). (Yarn Guide No.5.)

GARMENT WEIGHT

Finished Dress in third size weighs 735g; vest in third size weighs 155g.

The fibre content of these yarns are Gringa 65%Viscose, 35% Acrylic; Supersheen 100% Bright Acrylic; Manilla 75% Viscose, 15% Nylon, 10% Polyester. For further information about these yarns, please write to the following address:- Yeoman Yarns, 36 Churchill Way, Fleckney, Leicestershire LE8 0UD.

PATTERN INFORMATION

For a list of the abbreviations we use, our Yarn Guide and mock rib instructions, please look under Pattern Information in Contents list on page 3.

MEASUREMENTS

DRESS

To fit bust 76 [82, 87] cm, 30 [32, 34] in.
Actual size 95 [99, 104] cm, 37½ [39, 41] in.
To fit hips 82 [87, 92] cm, 32 [34, 36] in.
Actual size 96 [100, 105] cm, 38 [39½, 41½] in.
Length to shoulder 1185 [1195, 1205] cm, 46½ [47, 47½] in.
Sleeve seam 85 cm, 3½ in.

VEST

To fit bust 76 [82, 87] cm, 30 [32, 34] in.
Actual size 92 [98, 103] cm, 36½ [38½, 40½] in.
Length to shoulder 395 [405, 415] cm, 15½ [16, 16½] in.

Instructions are written for the first size, larger sizes follow in brackets. If only one figure is given, it applies to all sizes.

TENSION

37 stitches and 41 rows to 10 cm, 4 in measured over stocking stitch using one strand of MC and one strand of A together. Steam press before measuring (tension dial approximately 5).
38 stitches and 55 rows to 10 cm, 4 in measured over stocking stitch using two strands of B together on MT-1. Steam press before measuring (tension dial approximately 4).

For perfect results, please check your tension carefully.

KNITTING NOTES

We used purl side of knitting as right side of Dress and knit side of knitting as right side of Vest.
Dress is knitted using one strand of MC and one strand of A together.
Vest is knitted using two strands of B together through the same feeder so wind off half the cone before starting to knit.

DRESS

BACK

Using MC and A tog, cast on 162 [170, 180] sts at centre by hand. Set RC at 000. Using MT-1, K 7 rows. Using MT + 2, K 1 row. Set RC at 000. Using MT, K 26 rows. Shape sides by inc 1 st at each end of next and every foll 26th row until there are 180 [188, 198] sts. K 33 rows. RC shows 268. Dec 1 st at each end of next and every foll 6th row until 160 [168, 178] sts rem. K 9 rows. RC shows 332. Place marker at each end for waistline. Inc 1 st at each end of every foll 8th row until there are 178 [186, 196] sts. K 4 rows. RC shows 408.

Shape Armholes

Cast off 7 [8, 9] sts at beg of next 2 rows. Dec 1 st at each end of every row until 154 [160, 168] sts rem, then on every foll alt row until 140 [144, 148] sts rem *. K 57 [59, 61] rows. RC shows 486 [490, 496].

Shape Neck and Shoulders

Push 92 [94, 96] Ns at left to HP and cont on rem sts for first side. Cast off 6 [7, 7] sts at beg of next row. Push 1 N at neck edge to HP on next row. ** Push 2 Ns at neck edge to HP and cast off 6 [7, 7] sts at beg of next row. Push 1 N at neck edge to HP on next row. Rep from ** once more. Push 2 Ns at neck edge to HP and cast off 7 [7, 8] sts at beg of next row. Push 1 N at neck edge to HP on next row. Push 2 Ns at neck edge to HP and cast off 8 [7, 8] sts at beg of next row. Push rem 3 Ns to HP. With carriage at left, push 48 [50, 52] Ns at left from HP to UWP. Finish to correspond with first side, reversing shapings.

Neckband

Push rem 74 Ns from HP to UWP. Using MT-1, K 5 rows. Using MT + 2, K 1 row. Using MT-1, K 5 rows. Using WY, K a few rows and release from machine.

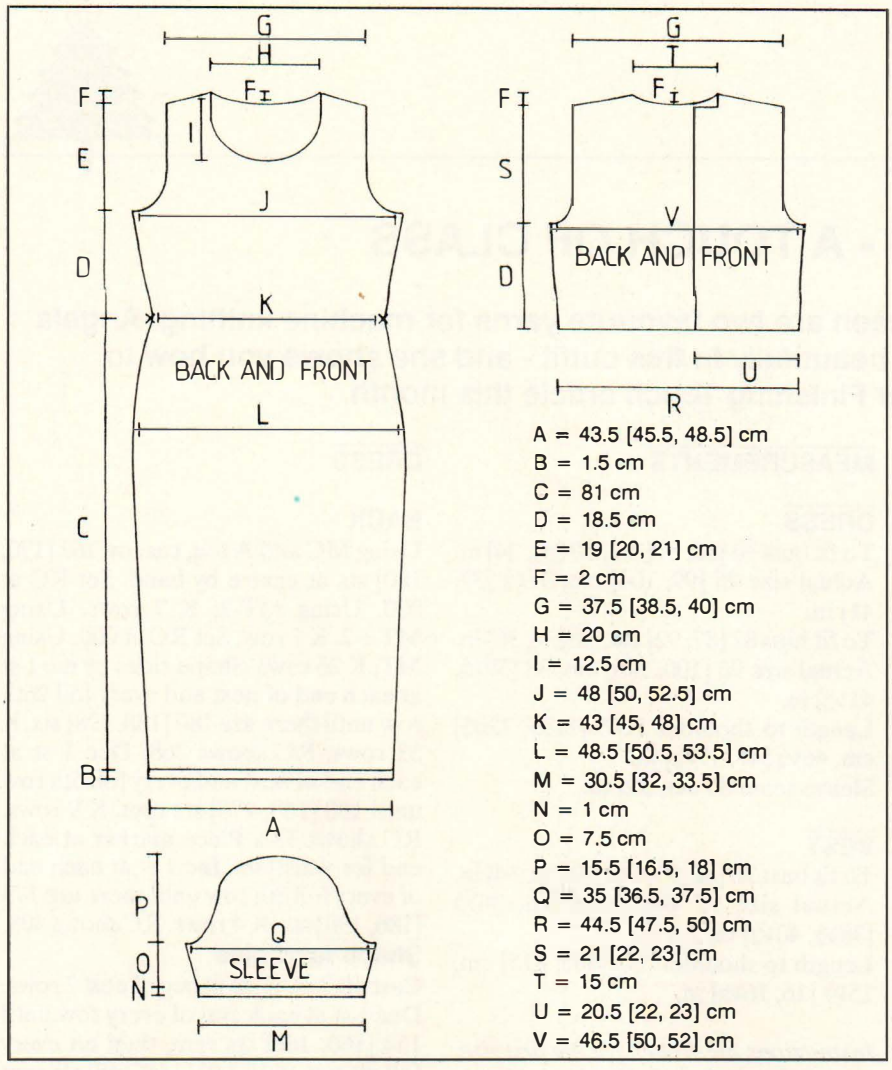
FRONT

Work as for back to *. K 13 [15, 17] rows. RC shows 442 [446, 452].

46▶

Jewellery, DUEL

◀45



A = 43.5 [45.5, 48.5] cm
B = 1.5 cm
C = 81 cm
D = 18.5 cm
E = 19 [20, 21] cm
F = 2 cm
G = 37.5 [38.5, 40] cm
H = 20 cm
I = 12.5 cm
J = 48 [50, 52.5] cm
K = 43 [45, 48] cm
L = 48.5 [50.5, 53.5] cm
M = 30.5 [32, 33.5] cm
N = 1 cm
O = 7.5 cm
P = 15.5 [16.5, 18] cm
Q = 35 [36.5, 37.5] cm
R = 44.5 [47.5, 50] cm
S = 21 [22, 23] cm
T = 15 cm
U = 20.5 [22, 23] cm
V = 46.5 [50, 52] cm

Shape Neck
Push 85 [87, 89] Ns at left to HP and cont on rem sts for first side. K 1 row. Cast off 3 sts at beg of next and foll 2 alt rows. Dec 1 st at neck edge on every row until 42 [44, 46] sts rem, then on every foll alt row until 33 [35, 37] sts rem. K 16 rows.

Shape Shoulder
Cast off 6 [7, 7] sts at beg of next and foll 2 alt rows, K 1 row. Cast off 7 [7, 8] sts at beg of next row, K 1 row. Cast off rem 8 [7, 8] sts. With carriage at left, push 55 [57, 59] Ns at left from HP to UWP. Finish to correspond with first side, reversing shapings.

Neckband
Push rem 30 Ns from HP to UWP. Push 40 Ns at left and right from NWP to WP. 110 Ns. Pick up 40 sts along each side of neck and place on to Ns. Using MT-1, K 5 rows. Using MT + 2, K 1 row. Using MT-1, K 5 rows. Using WY, K a few rows and release from machine.

SLEEVES
Push 114 [120, 124] Ns at centre to WP. Push every alt N to HP. Using MC and A tog, cast on by hand over alt Ns. Push Ns from HP to UWP. Set RC at 000. Using MT-1, K 5 rows. Using MT + 2, K 1 row. Set RC at 000. Using MT, K 6 rows. Make a hem by placing cast on sts on to alt Ns. Shape sides by inc 1 st at each end of next and every foll 4th row until there are 130 [136, 140] sts. K 1 row. RC shows 36.

Shape Top
Cast off 7 [8, 9] sts at beg of next 2 rows. Dec 1 st at each end of every row until 106 [110, 112] sts rem, then on every foll alt row until 62 [64, 62] sts rem, then on every row until 42 [40, 34] sts rem. Cast off 3 sts at beg of next 4 rows. Cast off rem 30 [28, 22] sts.

BELT
Using MC and A tog, cast on 22 sts by hand. Set RC at 000. Using MT, K 300 rows. Cast off.

PRESSING
With wrong side facing, pin out all pieces to measurements given. Steam well.

MAKING UP
Join shoulder and neckband seams. Fold neckband in half to right side and pin in position. Unravelling WY as required, backstitch through open loops of last row worked in MC and A. Set in sleeves. Join side and sleeve seams. Turn up hem at lower edge and catch down on inside. Fold belt in half lengthways and join long seam. Insert elastic and secure at each end. Sew on Norwegian Clasp.

VEST

BACK
Using two strands of B, cast on 170 [182, 190] sts at centre by hand. Set RC at 000. Using MT-1, shape sides by inc 1 st at each end of every 20th row until there are 178 [190, 198] sts. K 22 rows. RC shows 102.

Shape Armholes
Cast off 7 [9, 9] sts at beg of next 2 rows. Dec 1 st at each end of every row until 156 [164, 172] sts rem, then on every foll alt row until 144 [148, 152] sts rem. K 98 [100, 100] rows. RC shows 218 [224, 228].

Shape Neck and Shoulders
Push 88 [90, 92] Ns at left to HP and cont on rem sts for first side. Push 1 N at neck edge to HP on next 12 rows and AT THE SAME TIME cast off 6 sts at beg of next and foll alt row, K 1 row. Cast off 6 [6, 7] sts at beg of next and foll alt row, K 1 row. Cast off 6 [7, 7] sts at beg of next and foll alt row, K 1 row. Push 1 N at neck edge to HP. Cast off rem 7 sts. With carriage at left, push 56 [58, 60] Ns at left from HP to UWP. Finish to correspond with first side, reversing shapings. Push rem 58 Ns from HP to UWP. Using WY, K a few rows and release from machine.

LEFT FRONT
With carriage at right and using two strands of B, cast on 78 [84, 88] sts by hand. Set RC at 000. Using MT-1, shape side by inc 1 st at left edge of every 20th row until there are 82 [88, 92] sts. K 23 rows. RC shows 103.

Shape Armhole
Cast off 7 [9, 9] sts at beg of next row. Dec 1 st at armhole edge on every row until 71 [75, 79] sts rem, then on every foll alt row until 65 [67, 69] sts rem. K 98 [100, 100] rows. RC shows 218 [224, 228].

Shape Neck and Shoulder
Cast off 22 sts at beg of next row. Cast off 6 sts at beg of next and foll alt row, K 1 row. Cast off 6 [6, 7] sts at beg of next and foll alt row, K 1 row. Cast off 6 [7, 7] sts at beg of next and foll alt row, K 1 row. Cast off rem 7 sts.

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Finishing touch

PERFECT BLOCKING

As this is the Christmas issue, I decided to knit an outfit in basic stocking stitch, relying on the texture of the yarns for the effect. This outfit can be knitted by anyone who has just a little experience of their machine

TECHNIQUES

The techniques you will need are casting on by e-wrapping and casting off behind the sinkers; single stitch decreasing; using holding position to shape a neckline and good sewing up. If you have never knitted in a yarn requiring lots of steaming, practise on some swatches first. There was half a cone of Grigna and a quarter cone of Supersheen left after knitting the largest size dress - so you will have some to spare!

YARN

Yeoman's Grigna is a very textured yarn which can be knitted on any standard gauge knitting machine (or, for that matter, a European 5mm gauge machine). I have combined it with a strand of **Yeoman's Supersheen** to help stabilise and add body to the fabric. It is important, when knitting with such a highly textured yarn, to ensure that all your needles are in good working order, with no damaged latches. A stray bent latch will catch on the knops and you will create a tuck for several rows before, ultimately, dropping the stitch!

The vest is knitted in **Yeoman's Manilla** - a lovely, sparkling yarn that is not at all scratchy and adds a festive touch to the outfit. This is a very fine yarn and needs to be knitted using two strands together to achieve a suitable fabric on a standard gauge machine. I am sure that it would be superb on a fine gauge machine and I also want to try it single stranded in some double Jacquard. It is a very slippery yarn so I suggest that you place a piece of cut stocking leg over the ball after you have wound off half the cone.

FINISHING

This type of garment requires very careful blocking and steam pressing to ensure that the seams are really neat and also that the garment ends up the correct size. That is what I am going to describe now.

The essential equipment for good blocking is:

1) A blocking board or mat, marked out in centimetres or inches whichever you prefer. I prefer the cotton cloths placed over a home made board or metallised foam backed mat.

2) A good steam iron with an extra shot of steam button.

3) Lots of binding wires.

4) Extra long glass headed pins.

I also find a sleeve board and a tailor's ham invaluable for achieving a professional finish. A clean cotton cloth is useful for dry pressing some yarns.

THE TENSION SWATCH

The first stage of achieving a perfect finish is to treat the tension swatch as you will the finished garment pieces. In this case, I want to remove all vertical stretch from the fabric so that it will not get longer and thinner during it's lifetime! I knit a larger than normal swatch - 100 stitches by 100 rows - but still marked out my 40 stitches by 60 rows in the centre for easy measuring with the green ruler.

This larger than usual swatch is then subjected to a really heavy steaming while I stretch it vertically (along the rows) at the same time. Allow the piece to cool and dry before measuring.

KNITTING THE PIECES

If you have ever done any dressmaking, or even just seen a dressmakers paper pattern, you might have noticed the notches on the pattern's seam allowances. These are to help the dressmaker to line up the pieces correctly. We can do something similar in our knitting by using small pieces of waste yarn hooked over the edge needles.

This is especially useful, when knitting long straight seams, to help keep the seams straight when blocking It also enables us to join the pieces correctly. On the dress, I placed edge stitch markers every 50 rows and also at the waistline. This was particularly useful as I made up the dress on a linker and, by matching tags of yarn, I knew my seam would be perfect!

BLOCKING AND PRESSING

As the pieces come off the machine, they are given a good lengthways stretch to close up the stitches and then have binding wires put into every inch to help me keep the long seams straight and put nice, symmetrical curves where required. Binding wires should be run into the fabric in a **small** tacking stitch motion, just one stitch from the edge.

Yeoman's Grigna will stretch considerably once heat is applied so I give the whole thing a light steaming and then use the long pins to pin out the piece to size, according to my blocking diagram. Place the pins into the fabric just over the wires - you won't need too many as the wires keep the edge nice and straight! Once the piece is pinned out to the correct size, it is given another good steaming and then left to dry while I get on with the knitting of the next piece.

When the pins and wires are removed, the piece should remain flat without any curling edges. If it curls, it needs more steam! Ideally, the piece should be laid flat without folding, if you have the space. Otherwise, fold it lightly after it is completely dry. 48▶

◀46

RIGHT FRONT

Work as for left front, reversing shapings by reading left for right and right for left.

PRESSING

With wrong side facing, pin out all pieces to measurements given. Steam well.

MAKING UP

Join shoulder and side seams.

EDGING

Push 3 Ns to WP. Starting at underarm seam, with P side facing and using a treble transfer tool, pick up 3 sts from armhole edge and place on to Ns. Using MT-1 and two strands of B, K 6 rows. Pick up another 3 sts at left and place on to same Ns. K 6 rows. Cont in this way all around armhole edge. Fasten off. Rep around second armhole, then work the edging all around lower edge, front edges and around neck, making join at left side seam.

TO COMPLETE

Give a final press.

Measure down 14 cm, 5½ in from neck edge of front and fold back to form a lapel. Fold back 8 cm, 2 in at lower front edges and sew in position with a single stitch into the double thickness of the edging.

◀47

The Vest will feel quite harsh when it comes off the machine, but it does soften up considerably once the steam hits it. This yarn does not require a preliminary steaming to allow it to stretch and should just be blocked to size and then steamed.

Seams should be very carefully linked or mattress stitched. The neckband is neatly knitted on as the back and front are finished and then only requires back stitching to the right side. Don't try to do any of the hand sewing with Grigna as the knops get stuck all the time (they drive me insane if I try to sew with it!). Just use the Supersheen instead.

Just a quick note before I finish - binding wires can also be used to tack two pieces together ready for joining on a sewing machine and they are invaluable if you have to pull back work and pick up stitches for returning to the machine. Binding wires and blocking cloths (and also excellent covers for your machine) are available from **Peggy La Riviere.** You can telephone her on **071-267 2712** for prices and further details.

Next month we will look closer at the mock crochet edge, so if you're not sure about knitting it, get the vest pieces done ready to complete it next month.

Angela Gordon

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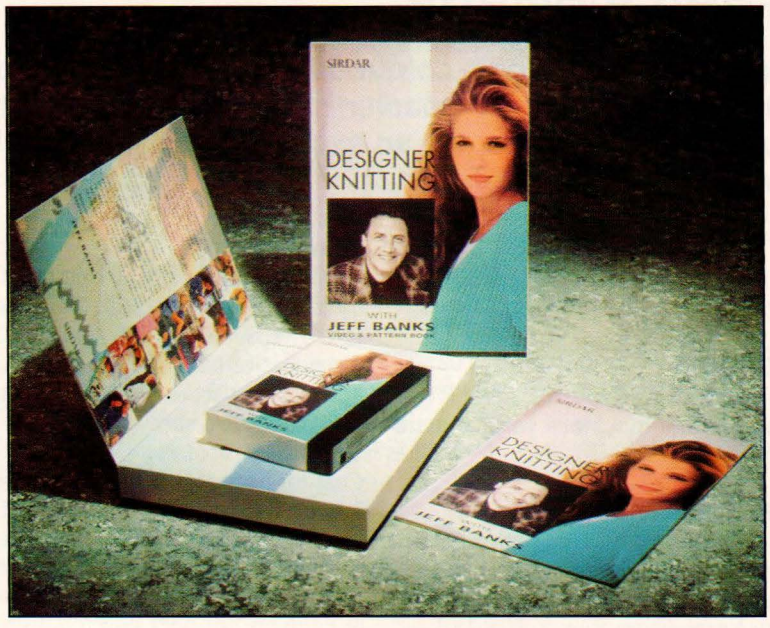
* * * FREEBIE * * *

This month, we've a fabulous *Freebie* for you - an exciting **Jeff Banks Video** to give away to one of our readers.

THE DESIGNER LOOK

Designer and presenter of television's Clothes Show, **Jeff Banks** has just created a pattern book and video featuring twelve designs in **Sirdar** yarns for hand knitting. The combined package costs £12.95 and we've one to give away! The garments are beautifully accessorised and worn by some of the world's top models - it's wonderful inspiration for all hand and machine knitters!



To enter the draw, simply send a postcard with your name and address, marked **Jeff Banks Video** to *Modern Machine Knitting, 17 Grove Park, Waltham Road, White Waltham, Maidenhead, Berkshire SL6 3LW.* The closing date is 31st December 1994. We'll put all of the postcards into the bag and draw out the lucky winner after the post has arrived on the 31st December.

Good luck!

Angela Gordon Products

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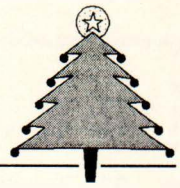
Pattern 8



BLACK DIAMOND

Mix 'n' match your own colour combination for this very special winter warmer. Knitted on your chunky machine, it's the perfect choice to add a top fashion layer to your winter separates. It's an exclusive design which is brought to you courtesy of the Silver Reed studio in Japan

PATTERN RATING
*** For fairly experienced knitters.

MACHINES
This pattern is suitable for Silver Reed 9 mm chunky machines with intarsia facility.

MATERIALS
The original yarns used for this design are not available in this country, but we suggest your own choice of:-
Thick Yarn. (Yarn Guide No. 18.)
Approximately 1150g in Black (MC).
Thick Lumpy Yarn. (Yarn Guide No. 18.)
Approximate weights in the following colours:-
200g in Purple (A)
150g in Turquoise (B)
110g in Red (C).
6 buttons.
3 press-studs.

PATTERN INFORMATION
For a list of the abbreviations we use, our Yarn Guide and mock rib instructions, please look under Pattern Information in Contents list on page 3.

MEASUREMENTS
To fit bust 82-97 cm, 32-38 in.
Actual size 119 cm, 47 in.
Length to shoulder 87 cm, 34½ in.
Sleeve seam 44.5 cm, 17½ in.

TENSION
17 stitches and 25 rows to 10 cm, 4 in measured over stocking stitch and intarsia (tension dial approximately 5).

For perfect results, please check your tension carefully.

KNITTING NOTES
We used knit side of knitting as right side of garment.
When shaping in HP, always take yarn round first inside N in HP to prevent a hole forming.

BACK
Using 1 strand of MC, cast on 103 sts by hand. Set RC at 000. Using MT-1, K 8 rows. Set RC at 000. Using MT and 2 strands of MC, K 128 rows. Cont in intarsia patt from chart and diagram, K 38 rows. RC shows 166.

Shape Armholes
Cast off 5 sts at beg of next 2 rows and 2 sts at beg of next 2 rows. Dec 1 st at each end of next and foll alt row, K 3 rows. Dec 1 st at each end of next and foll 6th row. 81 sts. K 18 rows. Inc 1 st at each end of next and foll 14th row. 85 sts. K 2 rows. RC shows 218.

Shape Shoulders
Cast off 5 sts at beg of next 6 rows.

Shape Neck
Using a length of MC, cast off centre 15 sts. Push 20 Ns at left to HP and cont on rem sts for first side. Dec 1 st at neck edge on every row and, AT THE SAME TIME, cast off 5 sts at beg of next and foll alt row, K 1 row. Cast off rem 6 sts. With carriage at left, push rem Ns from HP to UWP. Finish to correspond with first side, reversing shapings.

RIGHT FRONT
With carriage at right and using 1 strand of MC, cast on 39 sts at right of centre 0 by hand. Set RC at 000. Using MT-1, K 8 rows. Push 50 Ns at left of centre 0 to HP. Using WY, cast on using chain st method. 89 sts. Set russel levers to II. Set RC at 000. Using MT and 2 strands of MC, K 80 rows. ** Make buttonholes over Ns 19, 20, 21, 22, 29, 30, 31 and 32 at left of centre 0. Place a marker on N 5 for button position at left of centre 0. K 20 rows. Rep from ** once more. Make buttonholes and place marker over same Ns as before. K 1 row. Push 64 Ns at right to HP. Using WY, K a few rows over rem 25 sts and release from machine. With carriage at left, push Ns from HP to UWP.

Shape Under Collar
Inc 1 st at left edge of next and foll 6th row. 66 sts. RC shows 128. Cont in intarsia patt from chart and diagram. K 5 rows. Inc 1 st at left edge of next and every foll 9th row until there are 69 sts. K 14 rows. RC shows 166.

Shape Armhole
Cast off 5 sts at beg of next row, K 1 row. Cast off 2 sts at beg of next row, K 1 row. Dec 1 st at beg of next 3 rows, K 3 rows. Dec 1 st at beg of next row, K 4 rows. Dec 1 st at beg of next 2 rows. K 5 rows. Dec 1 st at left edge of next and foll 7th row, K 5 rows. 54 sts. Inc 1 st at right edge of next row. Dec 1 st at left edge of next row, K 6 rows. Dec 1 st at left edge of next row, K 5 rows. Inc 1 st at right edge of next row. Dec 1 st at left edge of next row. 53 sts. K 1 row. RC shows 218.

Shape Shoulder
Cont to dec at left edge on every 4th row from previous dec and, AT THE SAME TIME, cast off 5 sts at beg of next and foll 4 alt rows, K 1 row. Cast off 6 sts at beg of next row. 19 sts.

Shape Back Collar
Cont to dec at left edge on every 4th row from previous dec and, AT THE SAME TIME, inc 1 st at right edge on every alt row until there are 23 sts. K 1 row. Dec 1 st at left edge of next and every foll alt row and, AT THE SAME TIME, cast off 2 sts at beg of next and foll 5 alt rows, K 1 row. Dec 1 st at beg of next and foll alt row. Fasten off rem st.

LEFT FRONT
Work as for right front, reversing shapings by reading left for right and right for left and omitting buttonholes.

SLEEVES
Using 1 strand of MC, cast on 49 sts by hand. Set RC at 000. Using MT-1, K 8 rows. Set RC at 000. Using MT and 2 strands of MC, K 15 rows. Shape sides

52 ▶

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by inc 1 st at each end of next and every foll 5th row until there are 55 sts, then on every foll 6th row until there are 71 sts. RC shows 74. Cont in intarsia patt from chart and diagram. Inc 1 st at each end of every 8th row until there are 79 sts. K 6 rows. RC shows 112.

Shape Top

Cast off 5 sts at beg of next 2 rows and 2 sts at beg of foll 4 rows. Dec 1 st at each end of next 13 rows. Cast off 2 sts at beg of next 4 rows and 3 sts at beg of foll 2 rows. Cast off rem 21 sts.

POCKETS

Push 31 Ns to WP. Using MT and WY, cast on and K a few rows, ending with carriage at right. Set RC at 000. Using 2 strands of MC, K 5 rows. Cont in intarsia patt from chart and diagram. K 45 rows. Using MT-1 and 1 strand of MC, K 6 rows. Cast off by backstitch method.

UPPER COLLAR

Push 20 Ns at right of centre 0 to WP. Using MT and WY, cast on and K a few rows, ending with carriage at left. * Set RC at 000. Using 2 strands of MC, K 19 rows. Break yarn. Push Ns to HP. With carriage at right, push 4th N at left of centre 0 to WP. Using 2 strands of MC, cast on by hand. Inc 1 st at right edge of next row. Inc 1 st at each end of next row. Inc 1 st at right edge of next row. 5 sts. Push 20 Ns at right from HP to UWP. 25 sts. Reset RC to 19. K 1 row. Inc 1 st at left edge of next and foll 3rd row, K 1 row. Dec 1 st at right edge of next row. Inc 1 st at left edge of next and foll 3rd row, K 1 row. Inc 1 st at left edge of next row. Dec 1 st at right edge of next row, K 1 row. Inc 1 st at left edge of next and foll 3rd row, K 1 row. Dec 1 st at right edge of next row. Inc 1 st at left edge of next and foll alt row, K 2 rows. Inc 1 st at left edge and dec 1 st at right edge of next row, K 2 rows. Inc 1 st at left edge of next row. Dec 1 st at right edge of next row, K 1 row. Inc 1 st at left edge of next row, K 1 row. Inc 1 st at left edge and dec 1 st at right edge of next row, K 2 rows. ** Inc 1 st at left edge of next row. Dec 1 st at right edge of next row. Inc 1 st at left edge of next row, K 2 rows. Inc 1 st at left edge and dec 1 st at right edge of next row, K 1 row. Rep from ** once more. Inc 1 st at left edge of next row, K 1 row. Inc 1 st at left edge and dec 1 st at right edge of next row, K 1 row. Inc 1 st at left edge and dec 1 st at right edge of next row, K 2 rows. Inc 1 st at left edge of next row. Dec 1 st at right edge of next row. Inc 1 st at left edge of next row, K 1 row. Inc 1 st at left edge and dec 1 st at right edge of next row, K 2 rows. Inc 1 st at left edge and dec 1 st at right edge of next row, K 1 row. Inc 1 st at left edge and dec 1 st at right edge of next row, K 2 rows. Inc 1 st at left edge of next row. Dec 1 st at right edge of next row. Inc 1 st at left edge of next row, K 1 row. Inc 1 st at left edge and dec 1 st at right edge of next row, K 2 rows. Inc 1 st at left edge and dec 1 st at right edge of next row, K 1 row. Rep from *** once more. K 1 row. Inc 1 st at left edge and dec 1 st at right edge of next and foll 3 alt rows. Inc 1 st at left edge of next row. 38 sts. RC shows 108.

Shape Lower Edge

Push 2 Ns at left to HP on next and every foll alt row and, AT THE SAME TIME, dec 1 st at beg of next and foll 5 alt rows. Dec 1 st at right edge of next 9 rows. 3 sts rem. Push Ns from HP to UWP, K 1 row. Using WY, K a few rows and release from machine *. Push 20 Ns at left of centre 0 to WP. With carriage at right and P side facing, replace sts from first row on to Ns. Work as for first part from * to *, reversing shapings by reading left for right and right for left.

PRESSING

With wrong side facing, pin out all pieces to measurements given. Press carefully, following instructions on cone band.

TO JOIN FRONT FACING TO UPPER COLLAR

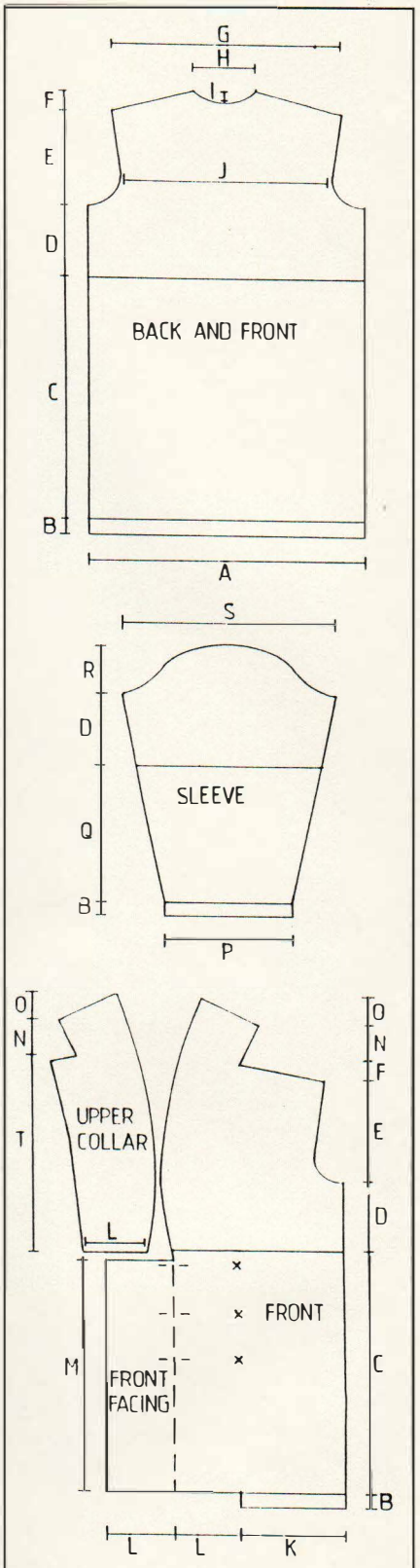
Push 25 Ns to WP. With K side of front facing, replace 25 sts from last row of front facing on to Ns. With P side of upper collar facing, replace 23 sts from lower edge on to Ns, inc evenly. Using MT and MC, K 1 row. Cast off.

TO JOIN LOWER EDGES

Push 25 Ns to WP. with K side facing, replace 25 sts from lower edge of front on to Ns. Fold along front edge and replace 25 sts from lower edge of front facing on to same Ns. Unravel chain st in WY. Using MT and MC, K 1 row. Cast off.

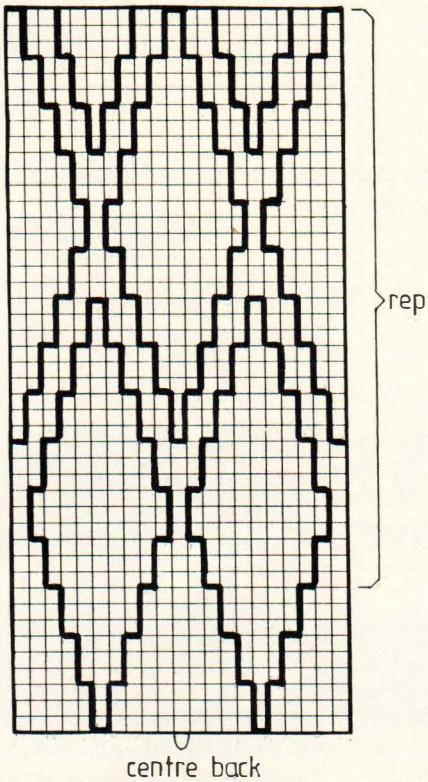
MAKING UP

Join shoulder, side and sleeve seams. Set in sleeves. Turn in rows at top of pocket and slip st into position. Sew pockets into position. Turn up lower hems and catch down on inside. Join back collar seam. Sew back collar to neck edge. Join upper collar to under collar. Catch down inside edge of front facing and upper collar on the inside. Finish buttonholes and sew buttons on to marked sts. Sew press-studs under buttons on right front.

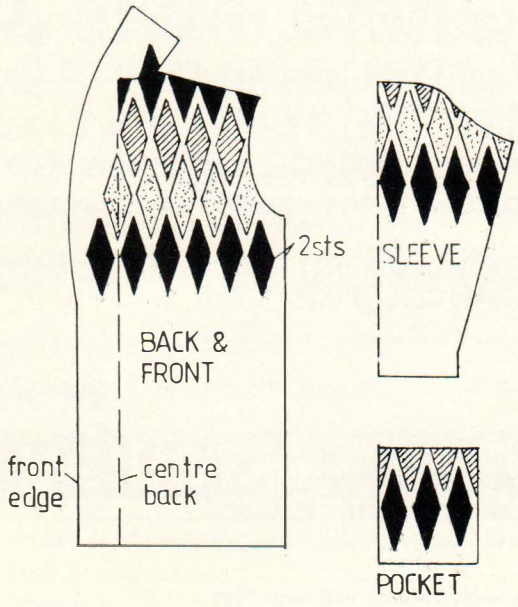


A = 60.5 cm	K = 22.5 cm
B = 3 cm	L = 14.5 cm
C = 51.5 cm	M = 48.5 cm
D = 15 cm	N = 6.5 cm
E = 20.5 cm	O = 6 cm
F = 4 cm	P = 28.5 cm
G = 50 cm	Q = 29.5 cm
H = 13.5 cm	R = 10 cm
I = 1.5 cm	S = 46 cm
J = 47.5 cm	T = 42.5 cm

INTARSIA PATTERN



HOW TO KNIT INTARSIA PATTERN



KEY

= red (C)

= turquoise (B)

= purple (A)

= black (2 strands) (MC)

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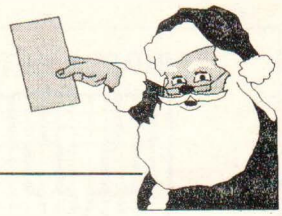
Letters, hints & tips



Every month our laden postbag proves to us just how generous you all are when it come to sharing the secrets of successful machine knitting

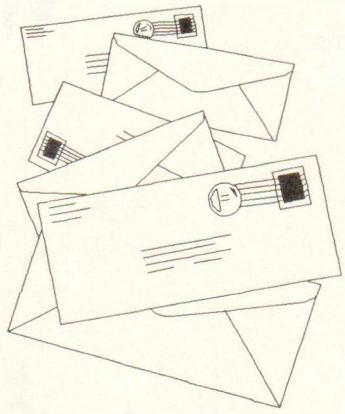
*** STAR LETTER ***

In response to the request for sock patterns from **Mrs Knitwell**, we have a letter and pattern from **Mrs W. Castle on the Isle of Wight.**

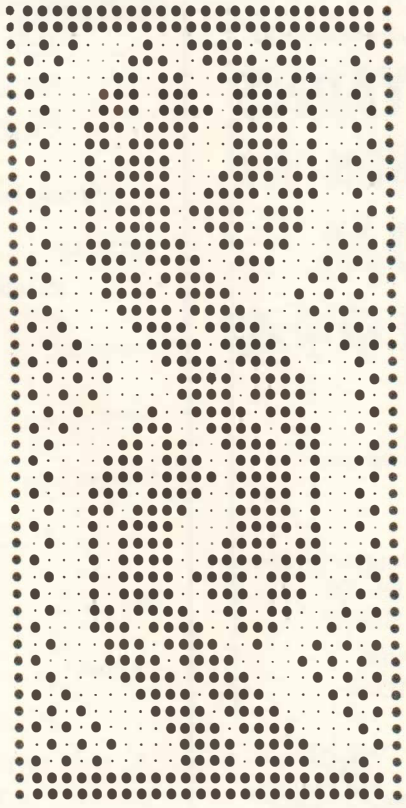
I hope this sock pattern will help Mrs Knitwell. I think it might be a little large as my son is rather a large man - 6ft 8in tall. Made in Software they are very hard wearing. The pattern is easily adjusted by a few rows or stitches.

SOCK FOR SHOE SIZE 14
Materials - Forsell 4 ply Software a wool and nylon mix yarn.
Tension approximately 6 or 7.
Cast on 42 sts right of centre with waste yarn and knit a few rows.
Heel - Knit 1 row with MY. RC000, set machine to hold.
* Push first needle at carriage side into hold on next 22 rows. Yarn will auto wrap last needle, thus avoiding a hole. Push back 1 inside needle at carriage side to working position on next 22 rows.*
Underfoot - RC000. Knit 73 rows straight. Adjust length here if you wish.
Toe - Knit as for heel from * - *
Over Foot - RC000. Knit 73 rows (same number as under foot).
Leg - Place stitches from waste yarn at beginning of work onto needles on left hand side of knitting. 82 needles now in work. RC000 K15 rows. Increase 1 stitch each end of next and every 15th row 5 times. Knit straight to RC125 (or required length). Knit 50 rows in rib at MT-3 and cast off loosely.
Join side seam.

Thank you, Mrs Castle for sharing these super tips with other readers. As many of you will be knitting socks for the family or for friends, do try out Mrs Castle's pattern - we think she deserves a bonus, so we will be sending her a FREE subscription to MMK



Every month Readers with a punchcard machine who would like to knit one or more of the Silver Reed garments by Maggie Dyke, featured earlier this year might like to try using the punchcard design sent to us by **Margaret Harris of Tiverton.** Margaret made this punchcard from the inspiration found in Maggie's design.



This is a lovely punchcard design Margaret. Thank you for sharing it with us, we're sure many readers will enjoy using it.

Now here's a letter from **Mrs Babs Lamont**, a satisfied reader who knows how to make good use of everything.

I have just been having a wonderful time putting 5½ years' knitting magazines in the binders I sent for recently. I started taking Modern Machine Knitting in March 1989.

I have even found a use for the cardboard boxes in which the binders came, although any strong cardboard would do. I cut them into approximately 3" by 1" and use them to wind my wools round for intarsia knitting. I made some of them a good deal bigger to take plenty of the main colour at each side of the picture and I never, ever, take the background colour beyond the outside edge of the motif, as that can affect the tension of the background knitting. If there is any of the main colour within the design I use another card of wool, or maybe several if necessary.

I have a suggestion to make which simplifies enormously the knitting of intarsia designs from the charts supplied. I would find it a great strain on my eyes working with all those wee squares. I therefore use the charts only once, drawing a line down the centre and counting the stitches from the centre outwards to make a chart like the enclosed one which I can use over and over again without any eye strain. The pencil figures tell me the total number of stitches from the centre which the design covers.

I really look forward to receiving your magazine each month and am so relieved that you now print the full knitting instructions for your patterns instead of leaving me to fathom out the meaning of 1S2R x 6/2S2R x 3/14S2R x 1 with the aid of a magnifying glass, since I have difficulty reading small print.

Thank you for your kind comments, chart and tips, Mrs Lamont. Many

readers did not get on with the diagram style patterns and since we try to comply with the wishes of the majority of our readers, we changed to full printed instructions.

Unfortunately, we do not have the space to print Mrs Lamont's complete chart which was two full pages but here is how the chart is constructed:

Use square gridded paper and number both sides starting with 1 at the top. Rule a centre line on the graph paper in red and also rule a centre line on the printed chart. Use coloured pencils or crayons which more or less match the yarn colours. Next to the centre line put a dot of the colour yarn used over the first needles directly next to centre 0 and write the number of stitches in this colour. Mark a dot in the next colour and write the number of stitches in it. Continue this way across the row and then write at each side, in pencil, the total number of stitches from centre 0 to left and from centre 0 to right, used in the motif.

The following will give you an idea of what one row of the chart looks like, but I have used M for main yarn, Y for yellow, R for red. Repeat for each row of the design.

9 . . 3Y 2R 4Y 0 3Y 4M 1Y 1R . . 9

Angela Gordon

You can share your ideas and thoughts, hints and tips with fellow readers each month. We pay £5 for every letter we publish, plus a year's subscription to Modern Knitting for our 'Letter of the Month'.

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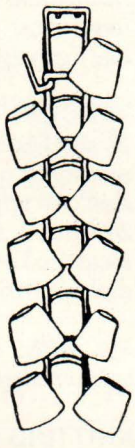

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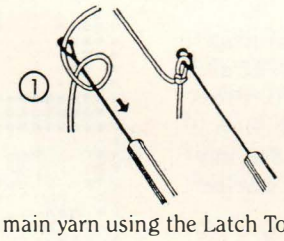
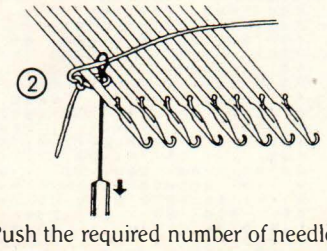
CHAIN STITCH CAST ON — USING THE LATCH TOOL

A Chain Stitch Cast On gives a lovely neat edge, which is ideal when the cast on edge is going to be seen on the right side of your knitting.

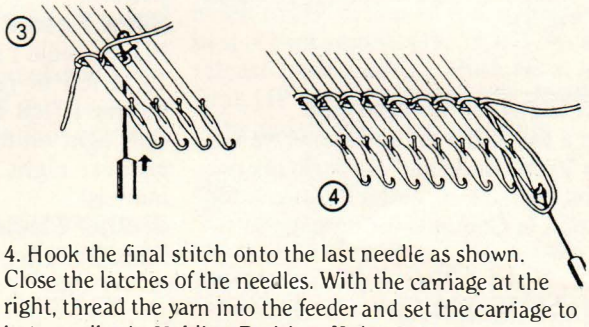


1. Make a stitch in the main yarn using the Latch Tool as shown.



2. Push the required number of needles to Holding Position. Starting at the left edge, insert the Latch Tool between the first two needles. With the original stitch behind the latch of the Latch Tool, pull the yarn through the stitch to form a new stitch.

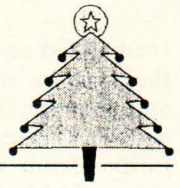
3. Insert the Latch Tool between the 2nd and 3rd needles and repeat the same procedure as in step 2. Continue in the same way until all the needles have a chain stitch on them.



4. Hook the final stitch onto the last needle as shown. Close the latches of the needles. With the carriage at the right, thread the yarn into the feeder and set the carriage to knit needles in Holding Position. Knit one row.

Note: If you're going straight into pattern knitting after the Chain Stitch Cast On, you'll find it easier if you have some waste knitting to hang weights from. To do this, simply cast on and knit some waste yarn in the normal way and then make the Chain Stitch Cast On as explained. You'll have a waste yarn stitch and a new chain stitch on each needle. Remove the waste yarn in the normal way after you've finished knitting.
Tip: Don't make your chain stitches too tight.

Pattern 9



PARTY PIECE

Gail Miller's eye-catching design in Yeoman Jackie is perfect for the party season. She's enhanced the pattern with tiny beads and lightly brushed the sweater to bring out the beautiful mohair fibres in the yarn

PATTERN RATING
** Fairly easy for knitters with some experience.

MACHINES
This pattern is suitable for standard gauge punchcard or electronic machines with a ribber.

If you don't have a ribber, work ribs in mock rib.

MATERIALS
Yeoman Jacky.
(Yarn Guide No. 11.)
1 x 500g cone in White (MC).
1 x 500g cone in Steel (C).
Optional beads to decorate.

GARMENT WEIGHT
Finished garment in second size weighs 330g.

The fibre content of this yarn is 50% Mohair, 50% Acrylic. For further information about this yarn, please write to the following address:- Yeoman Yarns, 36 Churchill Way, Fleckney, Leicester LE8 0UD.

PATTERN INFORMATION
For a list of the abbreviations we use, our Yarn Guide and mock rib instructions, please look under Pattern Information in Contents list on page 3.

MEASUREMENTS
To fit bust 82 [87, 92, 97, 102, 107, 112, 117] cm, 32 [34, 36, 38, 40, 42, 44, 46] in.
Actual size 98 [104, 108, 114, 118, 124, 128, 134] cm, 38½ [41, 42½, 45, 46½, 49, 50½, 53] in.
Length to shoulder 51.5 [51.5, 52.5, 52.5, 53.5, 53.5, 53.5, 53.5] cm, 20 [20, 20½, 20½, 21, 21, 21, 21] in.
Sleeve seam 44.5 [44.5, 45.5, 45.5, 46.5, 46.5, 46.5, 46.5] cm, 17½ [17½, 18, 18, 18½, 18½, 18½, 18½] in.

Instructions are written for the first size, larger sizes follow in brackets. If only one figure is given, it applies to all sizes.

TENSION
28 stitches and 27 rows to 10 cm, 4 in measured over Fair Isle pattern (tension dial approximately 9).
26 stitches and 27 rows to 10 cm, 4 in measured over stocking stitch (tension dial approximately 9).

For perfect results, please check your tension carefully.

KNITTING NOTES
We used knit side of knitting as right side of garment.
Before knitting, prepare any punchcards or electronic sheets needed, from the charts provided. Note that punchcard patterns, as shown, may have to be repeated until the card is a suitable length for knitting.
Knit two colour Fair Isle rows with first colour given in back feeder 1/A to knit background and second colour given in front feeder 2/B to knit contrast pattern.

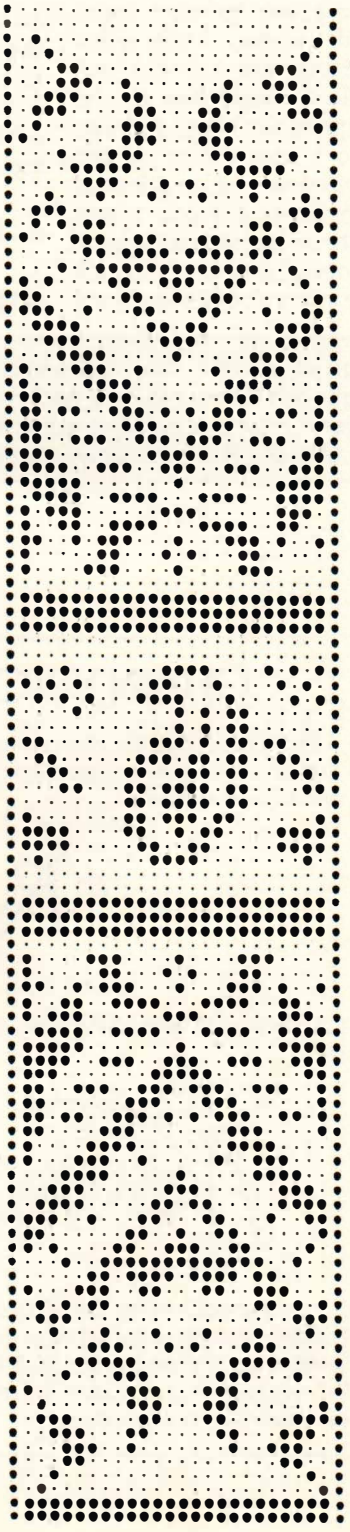
Silver Reed Electronic Machines
Place needle 1 cam between Ns 12 and 13 at left or right of centre 0. Press button 1 (left light on) and button 2 (left light on for 580 and SK840 machines, right light on for earlier models).

Brother Electronic Machines
Place pattern over centre 0.

BACK
Fair Isle Pattern: K 38 rows MC/C, 1 row MC only (st st), 3 rows C only (in feeder 2/B), 2 rows MC only (st st), 14 rows MC/C, 2 rows MC only (st st), 3 rows C only (in feeder 2/B), 1 row MC only (st st) and 38 rows C/MC. These 102 rows form patt.

With carriage at right and using MT-5/MT-5 and MC, cast on 140 [148, 154, 162, 168, 176, 182, 190] sts at centre in

PUNCHCARD CHART



Earrings and bracelet, VAL D'OR. Trousers, JOHN LEWIS.

60▶

Silver special

WRAP AROUND

Here's the ideal cover-up for winter wear, in this season's newest fashion colour. It's an exclusive pattern by Maggie Dyke - Silver Reed's Promotions Manager. She's designed it especially to complement Ann Kite's article for us, this month, on Pile Knitting. Ann's Machine Works feature starts on page 22

PATTERN RATING
** Fairly easy for knitters with some experience.

MACHINES
This pattern is suitable for Silver Reed standard gauge punchcard or electronic machines with a ribber.

MATERIALS
Bramwell Duomagic.
(Yarn Guide No. 10.)
2 x 500g cones in Mink (MC).
Bramwell Silky.
(Yarn Guide No. 5.)
1 x 500g cone in Black (C).

GARMENT WEIGHT
Finished garment weighs 915g.

The fibre content of these yarns is 100% Acrylic. For further information about these yarns, please write to the following address:- F. W. Bramwell & Co. Ltd., Unit 5, Metcalf Drive, Altham Lane, Altham, Accrington BB5 5TU.

PATTERN INFORMATION
For a list of the abbreviations we use, our Yarn Guide and mock rib instructions, please look under Pattern Information in Contents list on page 3.

MEASUREMENTS
One size.
Length to shoulder 95 cm, 37½ in.

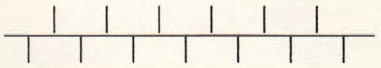
TENSION
35 stitches and 55 rows to 10 cm, 4 in measured over pile knitting (tension dial approximately 5/4).

For perfect results, please check your tension carefully.

KNITTING NOTES
Before knitting, prepare any punchcards or electronic sheets needed, from the charts provided. Note that punchcard patterns, as shown, may have to be repeated until the card is a suitable length for knitting.
We used a Silver Reed card for this pattern and reproduce it courtesy of Silver Reed. For further information about Silver Reed cards and machines, please write to Silver Knitting Machines Ltd., Unit 1, 10 Wandle Way, Willow Lane Trading Estate, Mitcham, Surrey CR4 4TE.

PANELS (Knit 4)

NEEDLE DIAGRAM

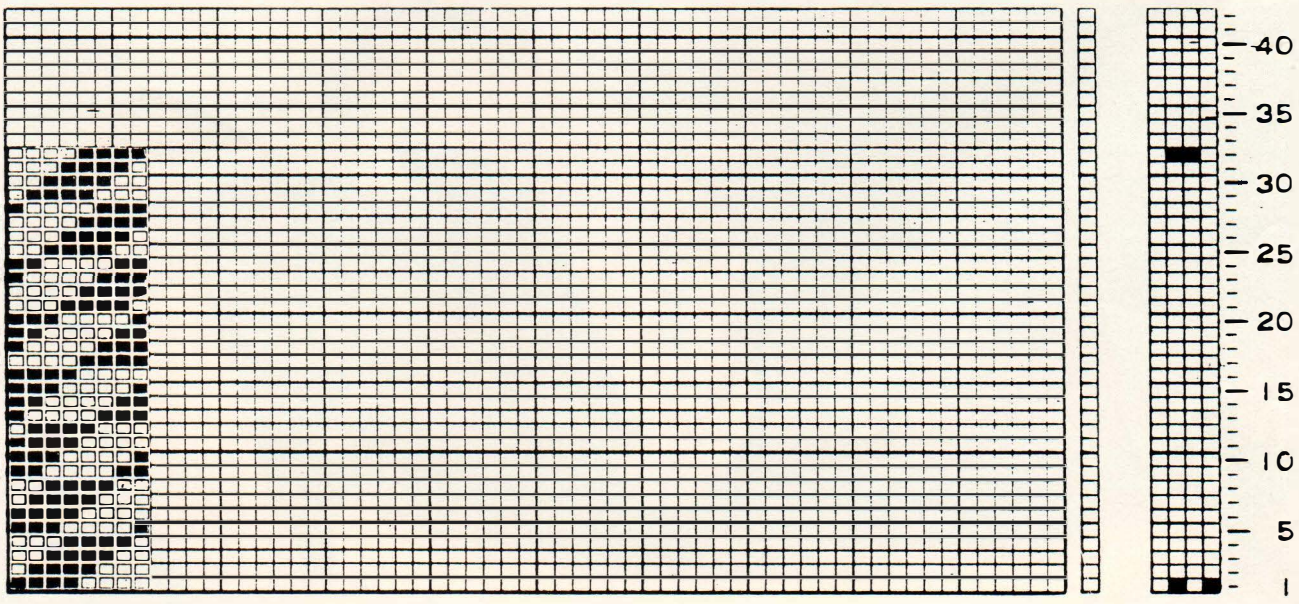


Electronic Machines
Set pattern width indicators at 0 and 8 for SK840 (at 8 for earlier models). Place needle 1 cam at 4 left and point cams at width of knitting on main bed. Press button 1 (left light on) and button 3. K 2 panels with button 2 (left light on) and 2 panels with button 2 (right light on).

Punchcard Machines
Use elongation button. K 2 panels with card inserted normally and 2 panels with card inserted back to front.
With carriage at left, push 170 Ns at centre on main bed to WP. Push 171 corresponding Ns on ribber to WP as

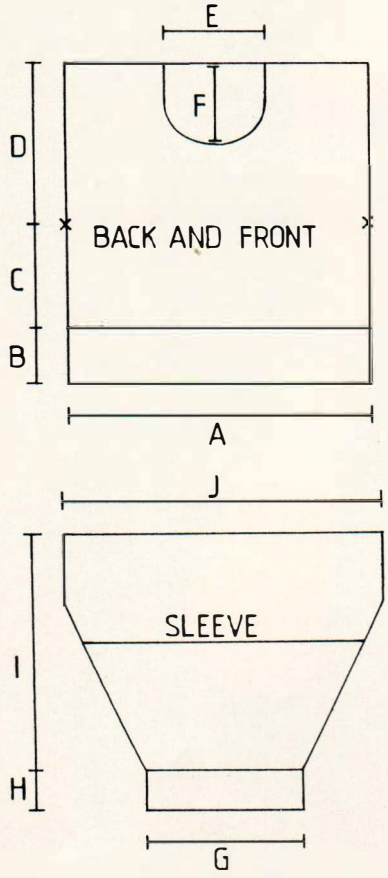
ELECTRONIC CHART

PUNCHCARD MACHINES Repeat pattern 3 times across width of card.



Beret, KANGOL. Sweater and jodphurs, KAYS. Jewellery, DUEL.

61 ▶



A = 50 [52.5, 55, 57.5, 60, 62.5, 65, 67.5] cm
B = 9 cm
C = 16.5 cm
D = 26 [26, 27, 27, 28, 28, 28, 28] cm
E = 16 cm
F = 13 cm
G = 26 [26, 28, 28, 30, 30, 30, 30] cm
H = 6 cm
I = 38.5 [38.5, 39.5, 39.5, 40.5, 40.5, 40.5, 40.5] cm
J = 52 [52, 54, 54, 56, 56, 56, 56] cm

1x1 rib. K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. K 34 rows. Transfer sts for st st. Insert card and lock on first row. Set RC at 000. Using MT, K 8 rows. Release card and cont in Fair Isle patt. K 37 rows. RC shows 45. Place markers at each end *. K 65 rows. RC shows 110. Remove card. Cont in st st and C. K 6 [6, 8, 8, 11, 11, 11, 11] rows. Place marker between sts 22 and 23 at left and right of centre 0. Cast off.

FRONT

Work as for back to *. K 35 [35, 37, 37, 41, 41, 41, 41] rows. RC shows 80 [80, 82, 82, 86, 86, 86, 86].

Shape Neck

Note patt row on card. Using a length of MC, cast off centre 20 sts. Using nylon cord, K 60 [64, 67, 71, 74, 78, 81, 85] sts at left by hand, taking Ns down to NWP. Cont on rem sts for first side. Dec 1 st at neck edge of next 12 rows. 48 [52, 55, 59, 62, 66, 69, 73] sts. K 18 [18, 16, 16, 12, 12, 12, 12] rows. Cont in st st and C. K 6 [6, 8, 8, 11, 11, 11, 11] rows. Cast off. With carriage at right, unravel nylon cord over rem Ns, bringing Ns back to WP. Lock card on number previously noted. Take carriage to left without knitting. Release card and cont in Fair Isle patt. Finish to correspond with first side, reversing shapings.

SLEEVES

With carriage at right and using MT-5/MT-5 and MC, cast on 68 [68, 74, 74, 78, 78, 78, 78] sts at centre in 1x1 rib. K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. K 24 rows. Transfer sts for st st. Insert card and lock on first row. Set RC at 000. Using MT, shape sides by inc 1 st at each end of every alt row until there are 132 [132, 142, 142, 148, 148, 148, 148] sts. K 1 [1, 0, 0, 1, 1, 1, 1] row. Release card and cont in Fair Isle with MC in feeder 1/A and C in feeder 2/B. Cont to inc on every alt row from previous inc until there are 146 [146, 152, 152, 158, 158, 158, 158] sts. K 25 [25, 28, 28, 29, 29, 29, 29] rows. Remove card. Cont in st st and MC, K 1 row. RC shows 104 [104, 107, 107, 110, 110, 110, 110]. Cast off.

COLLAR

With carriage at right, set machine for 2x2 rib (2x1 N arrangement). Push 194 Ns on each bed to WP. Arrange Ns for 2x2 rib (2x1 N arrangement). Using MT-5/MT-5 and MC, cast on and K 5 tubular rows. Carriage is at right. Set machine for 2x2 rib knitting. Set RC at 000. K 72 rows. Transfer sts to main bed. Cast off.

MAKING UP

Join shoulder seams. Set in sleeves between markers. Join side and sleeve seams. Sew collar into position, with ends to one side of front as shown. Join seam for approx 6 cm, 2½ in. Catch down seam on front. Brush sweater. Sew on beads to front as desired.

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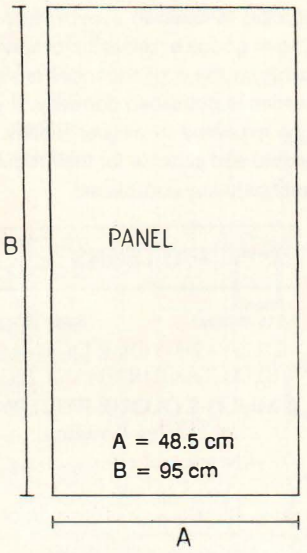
needle diagram for double rib. Using MC, cast on and K 3 circular rows. Carriage is at left. Set carriage for double rib knitting. Insert card and lock on first row. Using MT/MT, K 2 rows. Transfer all sts to ribber, leaving empty Ns on main bed in WP. K 1 row on ribber only (use carriage release lever to lift main bed carriage). Release card and cont in pile knitting with C in auxiliary yarn feeder. Use P carriage on **every** row to release loops from main bed Ns and to bring ribber Ns to UWP. (Normal pile knitting patterns make and release loops on every alt row.) Set RC at 000. K 520 rows. Remove card. Using MC, K 2 rows on ribber only (use carriage release lever to lift main bed carriage). Transfer sts to main bed. Cont in st st. Using MT + 5, K 1 row. Cast off with a latch tool.

MAKING UP

Join centre back and centre front seams from hem to neck, matching patt. Join shoulder seams, leaving 30 cm, 12 in open at neck. Fold 1.5 cm, ½ in in along side edges and catch down on inside.



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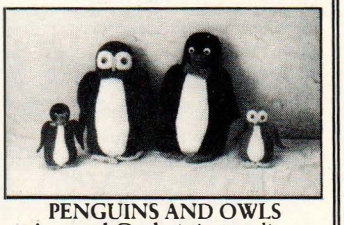

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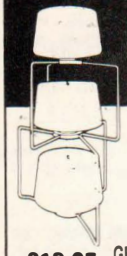

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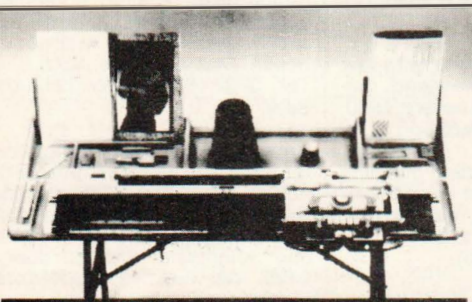

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Classifieds

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BROTHER KA8210 intarsia carriage, £20. Calcuknit, £40. Brother KA8310 linker, £35. Tel: 0726-75851 (St Austell).

PASSAP Duo 80, four colour changer, Deco, U80, Form Computer, punchcards, wool winder, manuals, not used since service, £400. Tel: 0902-736212 (Wolverhampton).

BROTHER KH836 punchcard mchine with manual, cards, tools and hole punch, excellent condition, £170. Tel: 0926-887475 (Leamington Spa).

KNITMASTER 700KL plus lace carriage, all still boxed, never used, £275. Tel: 0302-867192 (Doncaster).

KNITMASTER 700 with ribber, instruction manuals, KnitRadar, intarsia, punchcards and punch, extra needles, £350 ono. Tel: 0256-704724 (Basingstoke).

BROTHER 881 £200. Brother 850 ribber, £200. Table, £5. Punchcards and punch, books etc, must sell, moved to smaller house. Tel: 0932-862434 (Cobham).

BROTHER 881, good working order, £120. Tel: 071-735 0161 (London).

SINGER Big Nine chunky machine with ribbing attachment, video, tools, instruction book, little used, £100. Tel: 0823-433651 after 6.00 pm (Taunton).

BROTHER 891, very good condition, £225 ovno. Tel: 0793-531785 (Swindon).

KNITMASTER 700, table, 4ft strip light, instruction manual, punchcards, yarn winders, KnitRadar sheets, books, yarns, very little used, good condition, £250 ono. Intarsia multi-yarn brake £10. 360/260 lace carriage, new, still boxed, £80. RT1 Rib transfer carriage, new, still boxed, £45. Tel: 0621-853651 (Maldon).

KNITMASTER 321 knitting machine plus ribber, punchcards, manuals, excellent condition, £150. Intarsia carriage, new, still boxed, £25. Tel: 081-851 6123 (London).

DEFENDI power linker, as new, boxed, £180 ono. Power Knit, suitable for Brother/Knitmaster machines, row countdown, foot control or automatic, as new, £300 ono. Knitmaster F370 fine gauge machine, FRP 70 ribber, carriages, table, YC5 yarn changer, punchcards, books, accessories, as new, all boxed, £425 ono. Offers welcome. Tel: 0247-458583 (Bangor).

FOR SALE

BROTHER KH710 with ribber, manuals, £100. Brother intarsia carriage, £20. Yarn brake, £10. Brother card punch, £5. Brother Convertible, £75. Tel: 0722-329128 (Salisbury).

PFAFF E6000 electronic machine, stand, four colour changer, U100E transfer carriage, video, instruction books, unused, £850. Tel: 0277-364697 (Ongar).

BROTHER PPD 120, cost over £300 new, will accept £220 ono. Tel: 0621-828145 (Chelmsford).

SINGER KE2600 Memomatic with ribber, lace carriage, colour changer, punchcards, instruction books, £125 ono. Tel: 0726-860406 (St Colomb).

KNITMASTER 890 electronic chunky knitting machine plus ribber, intarsia carriage, EC1 Pattern Controller, many extras, £750. Tel: 0602-266974 (Nottingham).

BROTHER 950i, ribber, KnitLeader, transfer carriage, PPD 110, all in cabinet, £800. Tel: 0322-438031 (Erith).

BROTHER 900 electronic standard gauge machine, as new, £350. 850 ribber, £150. Passap Duo 80, four colour changer, Deco, £350. Tel: 0252-22358 (Farnham).

BROTHER KH230 chunky knitting machine, good condition, £95. Tel: 0384-378022 (Stourbridge).

BROTHER KnitLeader, excellent condition, used twice, still boxed, £65 ono. Tel: 0793-881208 (Swindon).

BROTHER KH910 electronic machine, Brother 850 ribber, KnitLeader, transfer carriage, colour changer, table, £500 ono. Tel: 081-452 9455 evenings or 081-452 2946 daytime answerphone (London).

BROTHER 710, excellent condition, lace carriage, instruction book, space needed for another machine, £75. Tel: 0483-33992 (Guildford).

HORN knitting machine cabinet, immaculate condition, space needed, £100 ono. Tel: 0926-815243 (Leamington Spa).

KNITMASTER 120 chunky machine, ribber, intarsia, table, weaving, drive knit, books, £199. Tel: 0902-339223 (Wolverhampton).

BROTHER 965 electronic machine, 18 months old, hardly used, genuine reason for sale, £750 ono. Transfer carriage, £40. Tel: 0276-38485 (Camberley).

FOR SALE

TOYOTA KS901 with lace carriage, KnitTracer, table, manuals, punchcards, patterns, wool, £180 ono. Tel: 0508-30067 (Norwich).

BROTHER 950 with ribber, single bed colour changer, transfer carriage, table, many extras, £550. Tel: 0580-240046 after 6.00 pm (Cranbrook).

KNITMASTER YC6 colour changer, unused, still boxed, £80. Tel: 0574-270147 (Larne).

BROTHER 950i electronic knitting machine, excellent condition, with or without ribber, full time study forces sale. Tel: 0703-511485 (Southampton).

BROTHER 950i, 850 ribber, KnitLeader, transfer carriage, single and double bed colour changers, disc drive, PPD 110/120, printer cable, all in original boxes including user instructions plus many extras, £1200 ono. Tel: 0253-867161 (Thornton Cleveleys).

FOR SALE

BROTHER 710 with lace carriage, instruction books, set of lessons, in good order, suit beginner or teenager, £35. Table, £10. Tel: 0904-470309 (York).

BROTHER 860 with ribber, lace-carriage, manuals, vgc, £195. Brother 836, £100. Brother KL116 KnitLeader, £50. Tel: 0489-572400 (Southampton).

BROTHER 891 with built-in KnitLeader, lace carriage, AG 89 II garter carriage, hardly used, many extras included, £500. Tel: 081-205 6890 (Edgware).

BROTHER KH836 knitting machine, Brother KG88 garter carriage, intarsia carriage, table, card punch, pattern holder, all with instructions, some wool, £380. Tel: 0227-365809 (Herne Bay).

BROTHER 260 chunky machine, £250 ono. Hague linker and manual, £75 ono. Buyer collects. Tel: 081-245 3304 (Enfield).

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Classifieds

FOR SALE

BROTHER 840 punchcard machine, lace carriage, intarsia carriage (unused), wool winder, hole punch, patterns, all in good condition, £185. Tel: 081-658 0442 (Beckenham).

TOYOTA 950 knitting machine plus ribber, excellent condition, hardly used, £300 ono. Tel: 0536-516549 (Kettering).

KNITMASTER 360KL, KnitRadar, lace carriage, KnitRadar sheets, punchcards, table, extras, £200. Tel: 041-812 5279 (Erskine).

BROTHER 950i, PPD, colour changer, ribber, KnitLeader, disc drive, table, books, all as new, £1000 ono. Tel: 0223-416693 (Cambridge).

TOYOTA KS950 with table, instructions, lace carriage, intarsia carriage, punchcards, patterns, large quantity of wool, £230. Tel: 0225-742662 (Chippenham).

DUO 80, four colour changer, Deco, punch, Form Computer, punchcards, books, selling due to illness, £200. Tel: 0706-813627 (Todmorden).

BROTHER KH881 knitting machine, various accessories, £150. Tel: 0424-870589 (Battle).

JUMBO double size knitting table, bought in error, ideal for electronic knitting machine, £25. Tel: 0322-528959 (Bexley).

KNITMASTER SRP 50 ribber, excellent condition, £95. Reason for sale, updated model. Tel: 0302-782146 (Doncaster).

BROTHER KH836 knitting machine, lace carriage, vgc, as new, manuals, books, £160. Hague linker with stand, needle guard etc, vgc, £100. Tel: 0235-814222 (Didcot).

BROTHER 965 knitting machine, little used, £700 ono. Tel: 0274-778070 (Bradford).

BROTHER 260 plus ribber and Horn cabinet, as new, £650 ono. Tel: 0443-201285 (Pontypridd).

BROTHER 950 electronic machine with table, KR850 ribber, 820A colour changer, Hague linker with stand and needle guard, £500. Due to disability, buyer dismantles. Tel: 031-539 1390 (Edinburgh).

BROTHER KH950, KR850 ribber, £800. KG89 garter carriage, £200. Double bed colour changer, £65. KL116 KnitLeader, £75. Many more items for sale. Tel: 0395-444094 (Budleigh Salterton).

FOR SALE

BROTHER 230 chunky machine plus ribber and table, £230. Keyto cabinet and bench, £30. Knitmaster 560 electronic machine with lace carriage and extras, £175. Tel: 0274-635704 (Bradford).

BROTHER KH836 punchcard machine with intarsia carriage plus accessories, very good condition, £150. Tel: 0689-857914 (Bromley).

KNITMASTER 120 chunky machine, ribber, KnitRadar, intarsia, all accessories possible, manuals, good condition, £175. Tel: 0233-627699 (Ashford, Kent).

BROTHER KH836 punchcard machine, KA 8210 intarsia carriage, table, extra punchcards and punch, loads of books and wool, as new condition, £200. Tel: 0273-305343 (Rottingdean).

BROTHER KH260 chunky punchcard machine, immaculate condition, instruction manual, punchcards, patterns, £250 ono. Tel: 0454-418821 (Bristol).

ELECTRA 3000A motor for Passap/Pfaff machine, excellent condition, £285 including carriage. Tel: 0738-637165 (Perth).

SINGER 2310 Freestyle Memomatic double bed machine complete with table, books, instructions, patterns, knits ribbing, jacquard and decorative stitches, not been used at all, £400. Tel: 0323-736920 (Eastbourne).

KNITMASTER 155 chunky machine, hardly used, punchcards, instruction book, cost £399, will accept £100. Tel: 091-455 5995 (South Shields).

BROTHER KH260 chunky machine, Brother KR 260 ribber, KnitLeader, pattern books, yarn, £400. Bellinky, £25. Tel: 0438-715787 (Welwyn).

BROTHER KH891 knitting machine with KnitLeader and lace carriage in excellent condition, plus intarsia carriage and punch as new, £250. Tel: 0865-69563 (Oxford).

KNITMASTER 328, vgc, KnitRadar and three sets of extra blocks, 50 punchcards, punch, table, manual, intarsia carriage, linker, suitable for beginner, £120. Buyer collects. Tel: 0732-823319 (Wrotham).

BROTHER KH830 knitting machine, KR850 ribber, lace and intarsia carriages, punchcards, table, many yarns, many accessories, new condition, bargain, £395 ovno. Tel: 0707-275781 (Hatfield).

FOR SALE

HAGUE hand linker with needle guard, rarely used due to storage problems, can deliver within 25 mile radius, £130. Tel: 0383-513264 evenings (Cowdenbeath).

TOYOTA 901 with ribber and transfer carriage, excellent condition, bargain, £200 ono. Tel: 0643-707012 (Minehead).

SELECTION of books by Kathleen Kinder, Bea Poulter, Sheila Sharp, Pam Turbett, Wendy Phillips, Jo Newton, Ann Pennicott, Doreen Nelson, Sylvia Clarke. Tel: 0733-235264 (Peterborough).

SINGER 9000, garter carriage, intarsia carriage, videos and books, £1400 ono. Tel: 0277-624108 (Billericay).

KNITMASTER 560 electronic, SRP 50 ribber, lace carriage, £450. YC5 colour changer, £45. SC3 linker, £25. Intarsia carriage, £10. Many extras including books and yarn etc. Tel: 0474-322506 (Gravesend).

BROTHER 891 plus ribber, lace carriage, intarsia carriage and lots of magazines, vgc, £400 ono. Tel: 081-345 5162 (London).

TOYOTA 901, ribber, lacer, transfer carriage, table, KnitTracer, cast off linker, intarsia, colour changer, manuals, punchcards, vgc, little used, £250. Tel: 0246-412897 (Chesterfield).

KNITMASTER 360 knitting machine and ribber plus lace carriage, table, books, other extras, bargain, £250. Tel: 0482-881447 (Beverley).

PASSAP Duo 80, Deco, four colour changer, instruction tapes, manuals, very little used, perfect condition, £290. Singer Designer 2 chunky machine, perfect, £50. Tel: 0895-230255 (Uxbridge).

SWAP

BROTHER 830 machine with lace carriage, tools, instruction book, table, vgc, £150 or will swap for Brother 260 chunky ribber. Tel: 051-355 8361 (Ellesmere Port).

BOND Elite and ribber, almost new condition, books, wool, will swap for Hague linker in full working order with instruction books. Tel: 0562-743519 (Kidderminster).

PASSAP E6000 machine, vgc, will swap for Brother 260 chunky punchcard machine with ribber or sell for £600. Tel: 0283-566079 (Burton-on-Trent).

SWAP

KNITMASTER Zippy De Luxe automatic punchcard machine, Fair Isle and single motif patterns, good clean condition, hardly used, £50 or £150 with ribber. Will exchange for chunky machine. Tel: 0909-730263 (Worksop).

KNITMASTER 360K complete with ribber, Keyto cabinet and bench, £275ono. Brother Convertible machine £80 ono. Will consider exchange for chunky punchcard machine. Tel: 0706-824744 (Ramsbottom).

KNITMASTER 600, hardly used, will swap for Knitmaster 326 or Brother 881. Tel: 0803-868499 (Totnes).

SINGER Big Nine chunky, will swap for Calcuknit or Brother colour changer or transfer carriage, or linker. Tel: 0255-431833 (Clacton-on-Sea).

BROTHER KH965, excellent condition, will swap for Brother 950i because Bit Knitter will not work with KH965 - hence exchange! South wales area. Tel: 0269-825349 (Ammanford).

SILVER REED SK740 punchcard machine with built-in KnitRadar, will swap for Bond Sweater Machine plus £100. Tel: 0206-793409 (Colchester).

TOYOTA 901 with ribber, tilt table, KnitTracer and extras, will swap for Brother 260 with ribber. Tel: 0732-750237 (Sevenoaks).

TOYOTA 901, ribber, KnitLeader, lace carriage, tilt table, £195. Colour changer, transfer and linker carriages, £30 each. All vgc or complete swap for Knitmaster 700. Tel: 081-789 5194 (London).

TOYOTA Powerlock overlocker, used once, manual and video, will swap for Brother 260 chunky machine plus ribber or Passap Duo 80 plus four colour changer. Tel: 051-639 1504 (Wallasey).

KNITMASTER SRP 60 ribber for standard gauge machine will swap for Brother 230 chunky ribber. Tel: 0923-440694 (Watford).

WANTED

PATTERN cards or photocopies thereof wanted for Knitmaster 302 Automatic (circa 1965!), all expenses etc paid. Tel: 0224-484764 (Aberdeen).

ELECTRIC wool winder, Ann Kite Electronic No.4 video, RJ1 carriage wanted. Tel: 0602-605399 (Nottingham).

ABBREVIATIONS

alt = alternate(ly)
beg = beginning
ch = chain
cm = centimetres
cont = continue(ing)
dc = double crochet
dec = decrease(ing)
foll = following
g = grams
HP = holding position
in = inch(es)
inc = increase(ing)
K = knit
mm = millimetres
MT = main tension
MT−1, MT−2, MT−3 = one, two, three full sizes tighter than main tension
MT+1, MT+2, MT+3 = one, two, three full sizes looser than main tension
MY = main yarn
N(s) = needle(s)
NWP = non working position
P = purl
patt = pattern
RC = row counter
rem = remain(ing)
rep = repeat
ss = stitch size
st(s) = stitch(es)
st st = stocking stitch
tog = together
UWP = upper working position
WP = working position
WY = waste yarn

YARNS

Yarns used for our patterns are matched to this guide for thickness. If you want to use a different yarn and, especially for readers overseas who may not be able to buy the originals, choose a yarn of the same thickness. If you do use a different yarn here are a few tips.

Firstly, your garment is likely to be more successful if you use a very similar yarn so look for slubbed cotton for slubbed cotton, acrylic for acrylic, wool for wool and so on. A change of fibre is perfectly possible but requires even more care in checking tension, quantity and, above all, suitability in the resulting 'feel' and 'hang' of the knitted fabric.

To compare yarns, hold the proposed substitute over the guide and stretch it out until it is just taut, not pulled tightly. A good match should fit the guide lines closely.

Now that you have a suitable yarn, how much do you buy? Whenever possible buy the yarn by length rather than weight as different fibres and treatments can vary the weight of yarns a great deal. A 500 gram cone of airy acrylic would have many more metres or yards of yarn on it than a 500 gram cone of much denser cotton.

After matching the tension, the garments in the original and substitute yarns would have much the same number of stitches knitted throughout and therefore need much the same yarn length. When you cannot discover the length on the cone it is best to err on the generous side whilst using your previous experience to decide how many cones you would expect the garment to take.

It is possible to work out the length required for a garment by measuring the length used for a tension square and calculating the total area of the garment from the diagram but I think you would need to be addicted to mathematics to find this worthwhile.

Having bought your yarn, experiment until you have matched the original tension. To achieve the best 'handle' it may be necessary to vary the number of stitches or rows a little. This is no problem if you are using a charting device but will require extra calculation if you want to follow the written pattern where the numbers stated for rows and stitches will not now apply.

If all this sounds like too much trouble, take care. You could be lucky and knit a perfect garment in the first yarn that comes to hand but you could also be badly disappointed. Time is precious to all of us so it is worth 'wasting' a little to avoid wasting a lot. You will be rewarded by a successful result.

MOCK RIB

Used for welts, cuffs, neckbands and other edges on single bed machines without a ribber.

Push the number of main bed needles given in pattern to working position. Push every alternate needle back to non-working position for a 1×1 rib or every third needle back to non-working position for a 2×1 rib. It may be necessary to reduce this number by one needle at one or both edges to keep rib even. (Increase the stitches after the mock rib has been worked to give the same number as the pattern.)

Using main tension and waste yarn, cast on and knit a few rows ending with carriage at left. Set row counter at 000. Using at least two full sizes tighter than main tension, knit the number of rows given in pattern for rib. Using three full sizes looser than this tension, knit one row. (This loose row gives a neat fold line.) Return to two full sizes tighter than main tension and knit the same number of rows as before. Push empty needles from non-working to working position and make a hem by placing loops of first row worked in main yarn evenly along the row. Make sure that each empty needle holds a loop to prevent a row of holes across the work.

Unravel waste yarn after work has been removed from machine. After garment has been blocked to size, insert a metal welt bar or thin, clean piece of wood through the hem and pull firmly downwards to draw stitches of mock rib closer together. Set the stitches by steaming lightly on wrong side, if pressing instructions permit.

QUICK CAST-ON

This method can be used for both speed and when edges are either hidden or to be gathered by pulling up yarn end.

Carriage at right. Push alt Ns to WP. Use tension dial setting and either MY or WY as given in pattern. K1 row. Hook on cast-on comb. Push rem alt Ns into WP. K1 row. Carriage back at right. Cont as given in pattern instructions.

When knitting is removed from machine, pull yarn end at cast-on edge to gather up sts or, for a straight edge, pull yarn end to remove any slack and fasten off. See pattern for which is required. Your manual will describe this method of casting on although it may be called by a different name and may not use a cast-on comb.

YARN GUIDE

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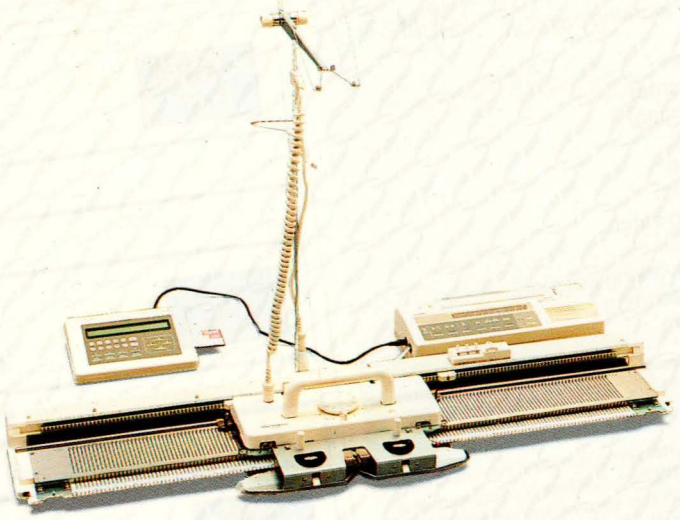
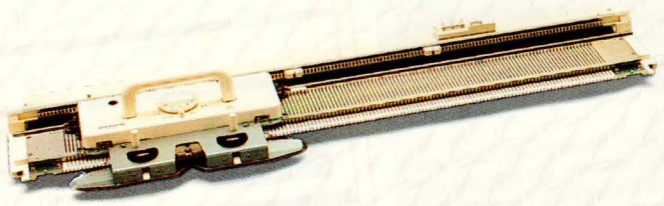
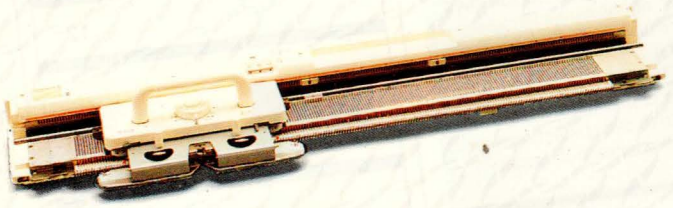


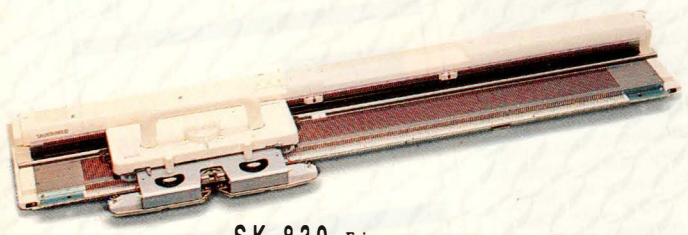
SK 890 *Chunky gauge*
Knits Mohair, Aran, Chunky



SK 860 *Double Knitting gauge*
Knits 4 ply, DK, Aran, Mohair



SK 840 *Standard gauge*
Knits 2 ply, 3 ply, 4 ply



SK 830 *Fine gauge*
Knits 1 ply, 2 ply, 3 ply

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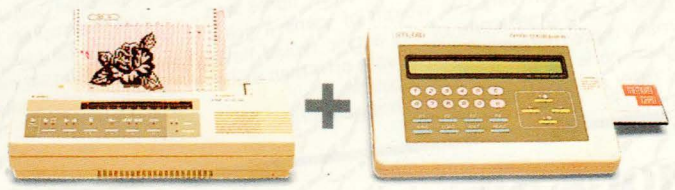
Silver EC1 *Pattern Controller*



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